

ANNUAL REPORT ON SOLID WASTE MANAGEMENT FOR THE YEAR 2016-2017
FORM – V
PART A

To

The Chairman
 Central Pollution Control Board
 Parivesh Bhawan, East Arjun Nagar
 Delhi- 1100032

1.	Name of the State/ Union Territory:	Sikkim
2.	Name & address of the State Pollution Control Board:	Sikkim Pollution Control Board, Department of Forests Environment and Wildlife Management, Deorali - 737102, Gangtok, East Sikkim
3.	Number of Local Bodies responsible for management of Solid Waste in the State/UT under these rules:	07
4.	No. of authorisation application received:	01
5.	A summary statement on progress made by local body in respect of solid waste management:	Annexure-I
6.	A summary statement on progress made by local bodies in respect of waste collection, segregation, transportation and disposal:	Annexure-II
7.	A summary statement on progress made by local bodies in respect of implementation of Schedule II:	Annexure-III
Date: Place: Gangtok		Member Secretary State Pollution Control Board

PART B

1. Towns/cities

- i. Total number of towns/cities: 07
- ii. Total number of ULBs: 07
- iii. Number of Class I and Class II cities/towns: Not Available

2. Authorization status (names/number)

- i. Number of applications received: 01(Martam)
- ii. Number of Authorizations granted: 01(Martam)
- iii. Authorizations under scrutiny: Nil

3. SOLID WASTE GENERATION status

- i. Solid waste generation in the State (TPD): 76.04
- ii. Collected (TPD): 62.10
- iii. Treated (TPD): 11.05

iv. Landfilled (TPD): Nil (52.05 TPD of waste generated is disposed at the dumping site)

4. Compliance to Schedule I of SW Rules (No. /names of towns/capacity)

- i. Good practices in cities/ towns:
- ii. House-to-house collection: Yes
- iii. Segregation: Arithang Ward under GMC practices complete segregation at source.
- iv. Storage:
- v. Covered transportation: Yes

5. Processing of SW (No. /names of towns/ capacity)

i. Solid Waste processing facilities set up

Sl. No.	Composting	Vermi-Composting	Biogas	RDF/Pelletization
01	MANGAN, NORTH SIKKIM	NIL	NIL	NIL
02	MARTAM, EAST SIKKIM	NIL	NIL	NIL

ii. Processing facility operational:

Sl. No.	Composting	Vermi-Composting	Biogas	RDF/Pelletization
01	MANGAN, NORTH SIKKIM	NIL	NIL	NIL
02	MARTAM, EAST SIKKIM	NIL	NIL	NIL

ii. Processing facility under installation/planned:

Sl. No.	Composting	Vermi-Composting	Biogas	RDF/Pelletization
	NIL	NIL	NIL	NIL

6. Waste-to-Energy Plants (No./names of towns/ capacity)

Sl. No.	Plant Location	Status of operation	Power generation(MW)	Remarks
	NIL	*NA	*NA	*NA

*Not applicable

7. Disposal of solid waste (No. /names of towns /capacity):

Sl. no		Gangtok Municipal Corporation (GMC)	Gyalshing Municipal Council (GyMC)	Mangan Nagar Panchayat (MNP)	Namchi Municipal Council (NMC)	Rangpo Nagar Panchayat (RNP)	Singtam Nagar Panchayat (SNP)	Jorethang Municipal Council (JMC)
1.	Landfill site identified	01/ Martam, East Sikkim	01/ Sipsu, West Sikkim	01/ Mangan, North Sikkim	Nil	Nil	Nil	Nil
2.	Landfill constructed	Nil	Nil	Nil	Nil	Nil	Nil	Nil
3.	Landfill under construction	01/ Martam, East Sikkim	Nil	Nil	Nil	Nil	Nil	Nil
4.	Landfill in operation	Nil	Nil	Nil	Nil	Nil	Nil	Nil
5.	Landfill exhausted	Nil	Nil	Nil	Nil	Nil	Nil	Nil
6.	Landfill capped	Nil	Nil	Nil	Nil	Nil	Nil	Nil

Note: GMC, RNP and SNP are availing the same facility located at Martam, East Sikkim. Similarly, GyMC, NMC and JMC are using the facility located at Sipsu, West Sikkim.

8. Solid Waste Dumpsites (No./names of towns/ capacity):

- i. Total number of existing dumpsites: 02, MARTAM (EAST SIKKIM) & SIPSU (WEST SIKKIM)
- ii. Dumpsites reclaimed/capped: Nil
- iii. Dumpsites converted to sanitary landfill: (01 sanitary landfill is being converted near dumping site at Martam (East Sikkim))

9. Monitoring at Waste Processing/landfill sites:

Sl. No.	Name of facilities	Ambient Air	Ground water	Leachate quality	Compost quality	VOCs
-	-	Not available	Not available	Not available	Not available	Not available

10. Status of Action Plan prepared by Municipalities

- i. Total number of municipalities: 07
- ii. Number of Action Plan submitted:

Sl. No.	Name of Municipality	Status of Action Plan (As per the information received from ULBs in their annual report)
1.	Mangan Nagar Panchayat	Proposal with Nodal Department (UD&HD)
2.	Rangpo Nagar Panchayat	DPR prepared under Swachh Bharat Mission (SBM)
3.	Singtam Nagar Panchayat	DPR prepared under SBM
4.	Gyalshing Municipal Council	Yes, DPR prepared and submitted to ministry under SBM
5.	Namchi Municipal Council	Proposal with Nodal Department (UD&HD)
6.	Jorethang Municipal Council	Not available
7.	Gangtok Municipal Corporation	DPR prepared under ADB funded SIPMUI Project

Note: SPCB-Sikkim has not received any information on the status of the above mentioned Action Plan/DPR.

ANNEXURE – I**A SUMMARY STATEMENT ON PROGRESS MADE BY LOCAL BODY IN RESPECT OF SOLID WASTE MANAGEMENT:**

1. Door to door collection of segregated waste is being currently provided in all the ULBs of Sikkim through garbage collection vehicle.
2. The practice of Community Collection Centre/Secondary Waste Storage facility has been stopped by most of the ULBs.
3. One ULB i.e., Gangtok Municipal Corporation (GMC) has placed bins for tourists in main market area.
4. However, one Community Collection Centre for segregation of dry and wet waste is under process at Gyalshing ULB.
5. Under Gangtok Municipal Corporation most of the Wards are covered with segregation bins for Wet & Dry waste.
6. As per the report of Mangan Nagar Panchayat, a land behind the MNP office has an organic waste convertor. Additionally, a space is provided within the MNP office premises for Tetra pack and e waste processing.

ANNEXURE – II

A SUMMARY STATEMENT ON PROGRESS MADE BY LOCAL BODIES IN RESPECT OF WASTE COLLECTION, SEGREGATION, TRANSPORTATION AND DISPOSAL:

- 1.** Door to door collection of waste alongwith ringing of bell is being carried out in all the ULBs of Sikkim through garbage collection vehicle.
- 2.** As reported by Gangtok Municipal Corporation (GMC), Arithang Ward under GMC practices complete segregation at source. Similar practices will also be initiated in other areas.
- 3.** Transportation of collected waste is done by assigned covered garbage vehicles.
- 4.** The waste is dumped in allocated dumpsites at different locations across the State.

ANNEXURE – III

A SUMMARY STATEMENT ON PROGRESS MADE BY LOCAL BODIES IN RESPECT OF IMPLEMENTATION OF SCHEDULE-II:

1. The town of Mangan in North Sikkim processes roughly about 0.25TPD of total Solid waste generated through Organic Waste Convertor Machine. About 0.1 TPD of the waste is sent for recycling.
2. It is reported that a compost plant of capacity 50TPD is in operation at Martam landfill site. Currently, no waste treatment technologies are used but a new sanitary landfill is being constructed which have an Effluent Treatment Plant and will soon will be operational.