

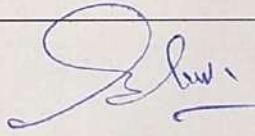
ANNUAL REPORT ON SOLID WASTE MANAGEMENT FOR THE YEAR 2018-2019

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 (includes only Urban Local Bodies)
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: 29.07.2019 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

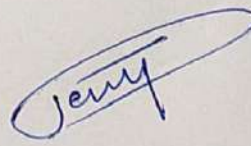
2. Authorization status (names/number)

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

3. SOLID WASTE GENERATION status

- i. Solid waste generation in the State (TPD): 75.1
- ii. Collected (TPD): 67.1
- iii. Treated (TPD): 13.05
- iv. Landfilled/Dumped (TPD): 51.40


(EGG)


(JSA)

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

- i. Good practices in cities/ towns: Collection of waste by ringing of bell in most of the towns
 ii. House-to-house collection: Yes
 iii. Segregation: Under GMC, segregation of dry and wet waste has been started in various wards.
 iv. Storage: Most of the houses practice storage of waste at source.
 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 (80kg/day)	NIL	NIL	NIL
02	MARTAM, EAST SIKKIM (50TPD)	NIL	NIL	NIL

- ii. Processing facility operational:

Sl. No.	Composting	Vermi-Composting	Biogas	RDF/Pelletization
01	MANGAN, NORTH SIKKIM (80kg/day)	NIL	NIL	NIL
02	MARTAM, EAST SIKKIM (50TPD)	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

(EEE) *(JSA)*

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	Nil	Nil	Nil	Nil	Nil
2.	Landfill constructed	01/ Martam, East Sikkim	Nil	Nil	Nil	Nil	Nil	Nil
3.	Landfill under construction	Nil	Nil	Nil	Nil	Nil	Nil	Nil
4.	Landfill in operation	01	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

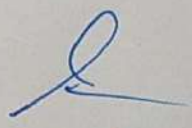
8. Solid Waste Dumpsites (No./names of towns/ capacity):

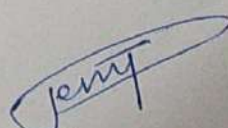
- i. Total number of existing dumpsites: 02 at SIPSU (WEST SIKKIM) and Mangan (North Sikkim)
 ii. Dumpsites reclaimed/capped: Nil
 iii. Dumpsites converted to sanitary landfill: 1, Martam Landfill site

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

Note: GMC, RNP and SNP located in East District are availing the landfill facility located at Martam, East Sikkim. Similarly, GyMC, NMC and JMC located in South and West Districts are using the dumping site located at Sipsu, West Sikkim.


(EEG)

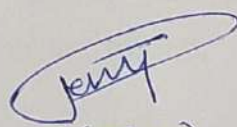

(JSA)

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	Prepared
2.	Rangpo Nagar Panchayat	Prepared
3.	Singtam Nagar Panchayat	Prepared
4.	Gyalshing Municipal Council	Prepared
5.	Namchi Municipal Council	Prepared
6.	Jorethang Municipal Council	Prepared
7.	Gangtok Municipal Corporation	Prepared

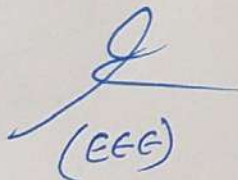

(EEE)

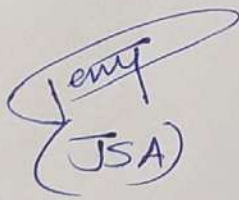

(JSA)

ANNEXURE – I

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

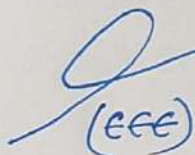
1. Door to door collection of segregated waste is being currently provided in most of the ULBs of Sikkim through garbage collection vehicle.
2. Practice of Community bins/secondary waste storage facility has been stopped but GMC has placed bins for tourist in main market area.
3. Under Gangtok Municipal Corporation most of the Wards are covered with segregation bins for Wet & Dry waste.
4. 1 tonne composting unit has been installed at Khangchendzonga vegetable market to convert vegetable waste to compost by Gangtok Municipal Corporation (GMC).
5. Waste cloth from furnishing shops have been converted into different item for sale e.g. handbags, pillow cover, etc. by GMC

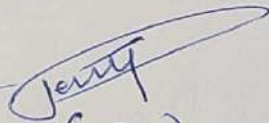

(EEE)


(JSA)

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 most of the ULBs of Sikkim through garbage collection vehicle.
2. As reported by Gangtok Municipal Corporation (GMC), segregation of dry and wet waste has been started in various wards.
3. Under Gyalshing Municipal Council one waste collection centre at Tikjuk ward and one community collection centre for segregation of dry and wet waste at Gyalshing road has been earmarked.
4. Transportation of collected waste is done by assigned covered garbage vehicles.
5. The waste is landfilled or dumped in designated sites at different locations across the State.



(jee)

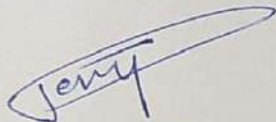

(JSA)

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 80kg/day of total Solid waste generated through Organic Waste Converter Machine. The compost generated is sold in open market.
2. A compost plant of capacity 50TPD is in operation at Martam landfill site. It is reported that the compost generated is being sold by the GMC.


(EEE)


(JSA)