


ANNUAL REPORT ON SOLID WASTE MANAGEMENT FOR THE YEAR 2021-22

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:	State Pollution Control Board- Sikkim, Forests and Environment Department, Deorali - 737102, Gangtok district 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
<p>Date: 28/07/2022 Place: Gangtok</p>		 Member Secretary State Pollution Control Board Forest Env. & W/L Mangt. Deptt. Govt. of Sikkim, Gangtok

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): **65.5**
- ii. Collected (TPD): **65.5**
- iii. Treated (TPD): **17.5**
- iv. Landfilled/Dumped (TPD): **48**

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 all the towns.**
- ii. House-to-house collection: **Yes**
- iii. Segregation: **Segregation of dry and wet waste is in practice.**
- 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, SIKKIM, (80kg/day)	NIL	NIL	NIL
02	MARTAM, GANGTOK SIKKIM (non-functional)	NIL	NIL	NIL

ii. Processing facility operational:

Sl. No.	Composting	Vermi-Composting	Biogas	RDF/Pelletization
01	MANGAN, SIKKIM (80 kg/day)	NIL	NIL	NIL


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iii. 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

*NA: Not applicable

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

Sl. no		Gangtok Municipal Corporation (GMC)	Gyalshing Nagar Panchayat (GNP)	Mangan Nagar Panchayat (MNP)	Namchi Municipal Council (NMC)	Rangpo Nagar Panchayat (RNP)	Singtam Nagar Panchayat (SNP)	Jorethang Nagar Panchayat (JNP)
1.	Landfill site identified	Martam, Gangtok District	Nil	Nil	Nil	Martam, Gangtok District	Martam, Gangtok District	Nil
2.	Landfill constructed	01/ Martam, Gangtok district	Nil	Nil	Nil	Martam, Gangtok district	Martam, Gangtok district	Nil
3.	Landfill under construction	Nil	Nil	Nil	Nil	Nil	Nil	Nil
4.	Landfill in operation	Martam, Gangtok District	Nil	Nil	Nil	Martam, Gangtok district	Martam, Gangtok district	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 no's, one at SIPSU (Geyzing district) and other at Chandey (Mangan district)
- ii. Dumpsites reclaimed/capped: Nil
- iii. Dumpsites converted to sanitary landfill: 1, Martam Landfill site.
- iv. Ringdang in Mangan district has been approved by Urban Development Department for the construction of sanitary landfill and is under the process of obtaining Environment Clearance from SEIAA.

Note: (i) Gangtok Municipal Corporation, under Gangtok District and Rangpo Nagar Panchayat and Singtam Nagar Panchayat located under Pakyong District are availing the landfill facility located at Martam, Gangtok District Sikkim. (ii) Similarly, Geyzing Nagar Panchayat, Namchi Municipal Council and Jorethang Nagar Panchayat located in Namchi and Geyzing Districts are using the dumping site located at Sipsu, Geyzing District Sikkim.

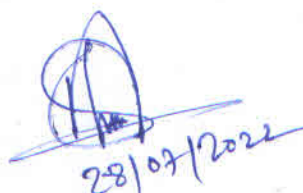
9. Monitoring at Waste Processing/landfill sites:

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	ULBs reported in the form IV stating that Action Plan are prepared.
2.	Rangpo Nagar Panchayat	
3.	Singtam Nagar Panchayat	
4.	Gyalshing Nagar Panchayat	
5.	Namchi Municipal Council	
6.	Jorethang Municipal Council	
7.	Gangtok Municipal Corporation	



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

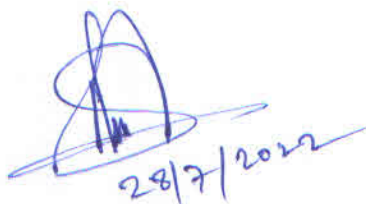
1. Door to door collection of segregated waste is being currently practised in most of the ULBs of Sikkim through garbage collection vehicle.
2. Practice of Community bins/secondary waste storage facility has been stopped but GMC has placed bins for tourist and local public in main market area.
3. Waste cloth from furnishing shops have been converted into different items for sale e.g. handbags, pillow cover, etc. By GMC.
4. Ringdang in North Sikkim has been approved by Urban Development Department for the construction of sanitary landfill and is under the process of obtaining Environment Clearance from SEIAA

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 along with ringing of bell is being carried out in the ULBs of Sikkim through garbage collection vehicle.
2. As reported by Urban Local Body (ULBs), collection of dry and wet waste taken place in various wards.
3. Transportation of collected waste is done by assigned covered garbage vehicles.

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 local market.



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TALLY OF THE AMOUNT OF WASTE GENERATED BY 07 URBAN LOCAL BODIES OF SIKKIM FOR THE YEAR 2021-22 AS REPORTED IN THEIR ANNUAL REPORT SUBMITTED TO SPCB-SIKKIM.

Sl. No	Name of ULB	Population (2011 census)	Solid waste generated (TPD)	Solid waste collected (TPD)	Solid waste treated through composting and recycling (TPD)	Solid waste landfilled/Disposed at dumping site (TPD)
1.	Gangtok Municipal corporation (GMC)	1,00,286	46.00	46.00	13.00	33.00
2.	Gyalshing Nagar Panchayat (GNP)	4,013	1.9	1.9	0.4	1.5
3.	Mangan Nagar Panchayat (MNP)	4,644	1.0	1.0	0.5	0.5
4.	Namchi Municipal Council (NMC)	15,953	4.6	4.6	1.2	3.4
5.	Rangpo Nagar Panchayat (RNP)	10,450	4.5	4.5	0.7	3.8
6.	Singtam Nagar Panchayat (SNP)	5,868	2.5	2.5	0.1	2.4
7.	Jorethang Nagar Panchayat (JMC)	10,244	5.0	5.0	1.6	3.4
Total		1,51,458	65.5	65.5	17.5	48


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