

**Submission of Annual Inventory on Hazardous and Other Waste Management**

State Pollution Control Board-Sikkim

Year: 2020-2021

**A1 Details on Hazardous Waste Generation**

S.No.	Name of the District	Total Number of HW Generating Industry	Number of Units possessing authorisation	Number of Units exempted from obtaining Authorisation	Number of HW Units submitted annual returns	Authorized Quantity of Hazardous Waste				Quantity of Hazardous Waste generated as per Annual Return				Details on Import and Export of Hazardous Waste			
						Landfillable	Incinerable in MT	Recyclable in KL	Utilizable	Landfillable	Incinerable in MT	Recyclable in KL	Utilizable	Quantity of HW imported during the year (Metric Tonne)	Type of HW*	Quantity of HW exported during the year (Metric Tonne)	Type of HW*
						1	2	3	4	5	6	7	8	9	10	11	12
1	East	29	29	nil	29	nil	1600	44.8	nil	nil	1543.67	17.4	nil	nil	nil	nil	nil
2	South	20	19	M/s Aurochem Pharmaceuticals Pvt. Ltd. was closed temporarily for a year due to COVID-19	20	nil	581	30	nil	nil	371.52	9.58	nil	nil	nil	nil	nil
3	North	Nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil
4	West	Nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil
	<b>total</b>	49	48	1	49	nil	2181	74.8	nil	nil	1915.19	26.98	nil	nil	nil	nil	nil

Note: \* Please specify category also (i.e. Schedule III -Part A/B/D of HOWM Rules with Basel Number)







**A2 Details on Inter-state Movement of Hazardous Waste for Recycling/ Utilisation/ Disposal**

S. No.	Hazardous Waste	Hazardous Waste received from other State/UT		Hazardous Waste sent to other State/UT	
		Name of State/UT from which waste received	Quantity received (MT)	Name of State/UT where waste sent (MT)	Quantity sent
		14	15	16	17
1	For disposal at common secured landfill	nil	nil	nil	nil
2	For disposal at common Incinerator	nil	nil	West Bengal	1394.494 MT
3	For recycling by Schedule IV recyclers	nil	nil	Haryana, West Bengal	26.98 KL
4	For utilization in co-processing (cement plants)	nil	nil	Assam	645.721 MT
5	For non-captive utilization based on CPCBs SOPs	nil	nil	nil	nil



**A4 Details on Hazardous Waste Disposed**

S.No.	Name of the District	Disposal of hazardous waste (generated within the State/UT)				Disposal of hazardous waste (received from other State/UT)	
		Quantity Disposed in Secured Landfill (MT)		Quantity Disposed through Incinerator (MT)		Quantity Disposed in common (MT)	
		Common	Captive	Common	Captive	SLF	Incinerator
		28	29	30	31	32	33

The state of Sikkim does not have any facility for disposal of hazardous waste. The HW generated is transported to West Bengal, Assam & Haryana for Treatment & disposal









**A7-B Details of Fluorescent and Other Mercury containing lamps\* resulting from Enforcement of Other Regulation**

S.No.	Name of the District	Name and Address of collection centres authorized for collection	Authorized capacity (MT)	Quantity of waste received at collection centres (nos)	Quantity of waste sent for recycling/utilization (nos)	Quantity of waste sent to common TSDF (MT)	Quantity of hazardous waste stored at collection centres (MT)	
							at the beginning of the financial year i.e. 1 <sup>st</sup> April	at the end of financial year i.e. 31 <sup>st</sup> March
		65	66	67	68	69	70	71
1	East	collected by ULBs, and E-waste recycling facilities	Not specified	80	846	nil	Not available	71
2	South	collected by ULBs, and E-waste recycling facilities	Not specified	51	300	nil	Not available	nil

The Data for the above has been obtained from E-waste Annual Returns, 2020-21 of Bulk Consumers

**A8 Details of waste collectors**

S. No.	Name of the District	Name and Address of waste collectors	Authorized capacity (MT)	Quantity of waste received at collection centres (MT)		Quantity of waste sent for recycling/utilization (MT)		Quantity of waste sent to common TSDF		Quantity of waste stored at beginning of the year financial year i.e. 1 <sup>st</sup> April (MT)		Quantity of waste stored at end of the year financial year i.e. 31 <sup>st</sup> March (MT)	
				Hazardous waste	Other waste	Hazardous waste	Other waste	Hazardous waste	Other waste	Hazardous waste	Other waste	Hazardous waste	Other waste
				72	73	74	75	76	77	78	79	80	81
	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Total</b>													

There are no industrial HW collectors in the state

**B Annual Inventory on Recycling / Utilization/Pre-processing/Co-Processing of Hazardous and Other Waste**

SPCB-Sikkim

Year: 2020-21

\*Note: Such facilities has not been established in the State

S. No	Type of Recycling Facilities	No of Facilities authorized for recycling / utilization / Pre-processing/ Co-processing of HW (MT)	Total Authorized Capacity (MTA)	Quantity Recycled/ Utilized/ Pre-processed/ Co-processed (MT) during the year	
				Imported Quantity	Other Than Imported Quantity
		84	85	86	87
I	<b>Hazardous Waste</b>				
A	<b>Commonly Recyclable HW</b>				
1	Brass Dross				
2	Zinc Bearing Wastes				
3	Copper Bearing Waste				
4	Spent catalyst containing nickel, cadmium, Zinc, copper, arsenic, vanadium and cobalt				
5	Lead bearing waste including battery waste				
6	E-Waste				
7	Paint and ink Sludge/residues				
8	Used oil				
9	Waste Oil				
	Add row for recycling of hazardous waste (listed under schedule IV) apart from above and provide relevant details required under the respective columns				
	<b>Total</b>				
B	<b>Non-captive utilization based on CPCBs SOPs</b>				
1	Recovery of solvents from spent solvents				
2	Utilization of APCD Dust / Residue generated from LD Furnace/EAF/Blast Furnace for producing cold briquettes for use in Blast Furnace for production of Pig Iron				
3	Utilization of Spent Catalyst - to recover - Platinum, Iridium, Osmium, Palladium, Rhodium, Ruthium, Rhenium, Gold & Silver				
4	Utilization of Spent H <sub>2</sub> SO <sub>4</sub> generated from Pickling operations for manufacturing Ferrous Sulphate				
5	Utilization of Spent Acid containing Molybdenum generated from filament industries for producing Molybdenum Trioxide by heating process				
6	De-contamination of contaminated drums/containers/barrels				
	<b>Total</b>				
C	<b>Captive utilization of hazardous wastes for which SOP has not been prepared by CPCB</b>				
1					
2					
	Add row for utilization of hazardous and other wastes and provide relevant details required under the respective columns				
	<b>Total</b>				
D	<b>Pre-processing of hazardous waste</b>				
1					
2					
	Add row for utilization of hazardous and other wastes and provide relevant details required under the respective columns				
	<b>Total</b>				
E	<b>Co-processing in Cement Plants</b>				
1					
2					
	Add row for utilization of hazardous and other wastes and provide relevant details required under the respective columns				
	<b>Total</b>				
II	<b>Other Waste</b>				
A	<b>Other waste recyclers</b>				
B	<b>Utilizers (under Rule 9) of other waste</b>				
C	<b>Utilizers (under captive utilization) of other waste</b>				
D	<b>Pre-processors of other waste</b>				
E	<b>Co-processors of other waste</b>				

C List of Authorized Recyclers / Utilizers /Pre-processors/ Co-processors of Hazardous Waste

SPCB-Sikkim

Year:

2020-21

\*Note: Such facilities has not been established in the State

S.No	Name and Address of the Facility	Type of Hazardous Waste authorised for recycling/utilization/co-processing	Authorized Recycling / Utilization / Co-Processing Capacity (MTA)	Quantity Recycled/ Utilized/ Co-processed (MT)	
				Imported	Other than Imported
	79	88	89	90	91
<b>I.</b>	<b>Hazardous Wastes</b>				
<b>A</b>	<b>List of Authorized Recyclers of hazardous waste</b>				
1					
	<b>Total</b>				
<b>B</b>	<b>List of Authorized Utilizers (under Rule 9) of hazardous waste</b>				
1					
2					
	<b>Total</b>				
<b>C</b>	<b>List of Authorized Utilizers (under captive utilization) of hazardous waste</b>				
1					
2					
	<b>Total</b>				
<b>D</b>	<b>List of Authorized Pre-processors of hazardous waste</b>				
1					
2					
	<b>Total</b>				
<b>E</b>	<b>List of Authorized Co-processors of hazardous waste</b>				
1					
2					
	<b>Total</b>				
<b>II.</b>	<b>Other Wastes</b>				
<b>A</b>	<b>List of Authorized Recyclers of other waste</b>				
1					
2					
	<b>Total</b>				
<b>B</b>	<b>List of Authorized Utilizers (under Rule 9) of other waste</b>				
1					
2					
	<b>Total</b>				
<b>C</b>	<b>List of Authorized Utilizers (under captive utilization) of other waste</b>				
1					
2					
	<b>Total</b>				
<b>D</b>	<b>List of Authorized Pre-processors of other waste</b>				
1					
2					
	<b>Total</b>				
<b>E</b>	<b>List of Authorized Co-processors of other waste</b>				
1					
2					
	<b>Total</b>				

## D1-A Details on disposal of Hazardous Waste in Common TSDF(s)

SPCB-Sikkim

Year: 2020-21

S.No	Name and Address of the TSDF	Quantity in Stock at the beginning of the		*Quantity of Hazardous Waste		Quantity of Hazardous Waste		Quantity in Stock at the end of the year		Cumulative HW disposed by the end		Capacity			Design Life of SLF (in years)
		Landfillable	Incinerable	For landfill	For Incineration	For landfill	Quantity Incinerated	Landfillable	Incinerable	SLF	Incinerator	Incinerator (T/H)	Incinerator (Kcal)	Landfill (MT/A)	
		92	93	94	95	96	97	98	99	100	101	102	103	104	105
	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

\*Note: Such facilities has not been established in the State

## D1-B Details on disposal of Other Waste in Common TSDF(s)

SPCB-Sikkim

Year: 2020-21

S.No	Name and Address of the TSDF	Quantity in Stock at the beginning of the year (MT)		*Quantity of Other Waste Received (MT)		Quantity of Other Waste Disposed (MT)		Quantity in Stock at the end of the year (MT)		Cumulative other waste disposed by the end of financial	
		Landfillable	Incinerable	For landfill	For Incineration	Quantity Landfilled directly	Quantity Incinerated	Landfillable	Incinerable	SLF	Incinerator
		107	108	109	110	111	112	113	114	115	116
	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

\*Note: Such facilities has not been established in the State

## D2 Details on Captive TSDF (s)

SPCB-Sikkim

Year: 2020-21

S. No.	Name and Address of Captive facility	Type of facility (landfillable/ Incinerable/ both)	Capacity		HW disposed during the year (MT)		Cumulative HW disposed till the end of financial year (MT)	
			Incinerator (MT/H)	Landfill (MT/A)	SLF	Incinerator	SLF	Incinerator
	118	119	120	121	122	123	124	125
	NA	NA	NA	NA	NA	NA	NA	NA

\*Note: Such facilities has not been established in the State



**D3 Details on Common TSDF(s) involved in disposal of Domestic Hazardous Waste and Fluorescent and Other Mercury containing lamps**

**SPCB-Sikkim**

**Year: 2020-21**

S.No	Name and Address of the TSDFs involved in disposal of domestic Hazardous waste and Fluorescent and other mercury containing lamps	Quantity of domestic HW received	Name and address of deposition center from where such waste received	Quantity of fluorescent and other mercury containing lamps received	Name and address of collection centre from where such waste received	Quantity of Hazardous Waste Disposed (MT)		Quantity of waste stored (MT)			
						Domestic HW	Fluorescent and other mercury containing lamps	Quantity of waste stored (MT)		Fluorescent and other mercury	
								at Occupier premises at the beginning of the financial year	at Occupier premises at the end of financial year	at the beginning of the financial year	at the end of financial year
	126	127	128	129	130	131	132	133	134	135	136
	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Till date the SPCB-Sikkim has not received any application for authorization from any facility for disposal or treatment of Domestic HW and Fluorescent and Other Mercury containing lamps Information for the same regarding the quantity and categories of the abovementioned waste have not been provided by ULBs.