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HEAD OFFICE
Uttarakhand Pollution Control Board
"Gaura Devi Paryavaran Bhawan"
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UKPCB/HO/ Gen-74 /2024/1421.

Dated : 24.12.2024

Registered Post

To,
Member Secretary
Central Pollution Control Board
Parivesh Bhawan, East Arjun Nagar,
New Delhi-110032

Subject: Submission of Annual Inventory on generation and management of Hazardous and other wastes (2023-24)-regarding.

Sir,

Kindly refer to your File No. CP-21/26/2021-WM-II-HO-CPCB-HO dated 04 October, 2024 on above mentioned subject.

In this context, please find enclosed the Annual Inventory on generation and management of Hazardous and other wastes (2023-24) for your kind perusal.

Enclosure: as above.

Yours faithfully


(Dr. Parag Madhukar Dhakate)
Member Secretary

Copy to: Sh. B.Vinod Babu, Division Head & Sec. 'F', Waste Management II, for information please.


Member Secretary.

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Details on Hazardous Waste Generation (2023-24)

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 (MT)					*Quantity of Hazardous Waste generated as per Annual Return within the State/UT (Metric Tonne)				Details on Import and Export of Hazardous Waste				
					Landfillable	Incinerable	Recyclable	Utilizable	Total Quantity	Landfillable	Incinerable	Recyclable	Utilizable	Total Quantity	Quantity of HW imported during the year (Metric Tonne)	Type of HW	Quantity of HW exported during the year (Metric Tonne)	Type of HW
Dehradun	395	395	644	220	563	2.75	15.2	580.95	114.77	288.67	8.82	412.26	10	11	12	13		
Rudrapur	118	118	272	35	6.51	8.32	16.4	31.23	1.9	8.85	1.81	12.56						
Dehra Dun	77	77	132	15	2.66	2.14	7.7	12.3	0.49	1.99	0.91	3.39						
Muzaffarnagar	40	40	129	12	NIL	0.046	0.86	0.906	NIL	0.41	1.97	2.38						
Rudrapur	23	23	49	10	NIL	0.62	1.42	2.04	0.0049	1.67	NIL	1.6749						
Dehra Dun	26	26	117	12	NIL	0.43	0.913	1.343	NIL	NIL	0.08	0.08						
Dehra Dun	185	185	0	62	544.78	4.62	424.75	984.15	3.6772	0	11.602	8.4	0	0	0	0		
Dehra Dun	50	50	0	5	0	0	1.77	1.77	0	0	0.305	0.305	0	0	0	0		
Dehra Dun	20	20	0	5	0	0	0.92	0.92	0	0	0.612	0.612	0	0	0	0		
Dehra Dun	10	10	0	6	0	0	0.52	0.52	0.03	0	0.37	0.4	0	0	0	0		
Dehra Dun	16	16	0	5	0	0	0.551	0.551	0	0	0.35	0.35	0	0	0	0		
Dehra Dun	2253	2253	NIL	1707	11745.46	3975.3	14372.18	31237	1437.161	2937.35	1208.73	6525.4	NIL	NIL	NIL	NIL		
Dehra Dun	1389	1319	NIL	1319	5936	4224	41005.7	54158	1613.79	1892.7	7461.98	11878	NIL	NIL	NIL	NIL		
Total	4602	4532	1343	3413	18798.41	8218.226	55848.88	87011	3171.823	5131.64	8697.54	18861	0	0	0	0		

shall also include hazardous waste generated during recycling/utilization of hazardous waste imported from other countries as well as received from other States/UTs. However, it shall not include quantity of hazardous waste imported and received from other states/UTs either for recycling/utilization or disposal.

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 (MT)
		14	15	16	17
1	For disposal at common secured landfill	NIL	NIL	NIL	NIL
2	For disposal at common Incinerator	.....	.....	.....	.....
3	For recycling by Schedule IV recyclers	.....	.....	K.Nandini Pilibhit	1.52
				Om Udhog Ludhiana	0.91
				K. Nandini Refineries Pvt. Ltd., Pilibhit	354.616
				Hindustan Zinc Limited, Rajasthan	4783.194
				Maharani Innovative Paints Pvt. Ltd., Haryana	59.19
				U.P. Envirochem, Industrial Estate, Bareilly, Uttar Pradesh	821.785
				Continental Petroleum Ltd., Behror, Rajasthan	14.6
				Subham Machines, Gazizbad, Uttar Pradesh	44.95
				Sunrise Industries, Jhajjar	38.155
				Uttar Pradesh	52.39
				Rajasthan	942.18
	Total				
4	For utilization in co-processing (cement plants)	.....	.....	Ambuja Cement Ltd., Rajasthan	850.29
	Total				
5	For non-captive utilization based on CPCBs SOPs	Choksi Heraeus Pvt. Ltd., Udaipur, Rajasthan	26.15
	Total				

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A3 Details on Hazardous Waste Recycled and Utilized

S.No.	Name of the District	Recycling/Utilization of hazardous waste (generated within the State/UT)							Recycling/Utilization of hazardous waste (received from other State/UT)		
		Quantity of waste Recycled (listed under Schedule-IV Hazardous Wastes) (MT)		Quantity Utilized (MT)					Quantity of waste Recycled (listed under Schedule-IV Hazardous Wastes) (MT)	Quantity Utilized (MT)	
				Co-processing in Cement plant		Non-captive utilization based on CPCBs SOPs		Captive utilization of hazardous waste and Other Wastes for which SOP has not been prepared by CPCB		Co-processing in Cement plant	Non-captive utilization based on CPCBs SOPs
		Generated within state	Imported	Generated within state	Imported	Generated within state	Imported		25			26	27
1	Dehradun	15.12	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
2	Pauri	1.81	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
3	Tehri	0.91	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
4	Chamoli	2.089	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
5	Rudraprayag	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
6	Uttarkashi	0.08	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
7	Nainital	11.603	0	0	0	0	0	8.4	0	0	0
8	Almora	0.305	0	0	0	0	0	0	0	0	0
9	Bageshwar	0.012	0	0	0	0	0	0	0	0	0
10	Pithoragarh	0.37	0	0	0	0	0	0	0	0	0
11	Champawat	0.35	0	0	0	0	0	0	0	0	0
12	Haridwar	1208.7	NIL	942.18	NIL	NIL	NIL	NIL	NIL	NIL	NIL
13	U.S. Nagar	1088.6	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
Total		2330	0	942.18	0	0	0	8.4	0	0	0

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A4	Details on Hazardous Waste Disposed	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)		SLF	Incinerator
S.No.	Name of the District	Common	Captive	Common	Captive		
1	Dehradun	115.27		287.99			
2	Pauri	3.4		8.916			
3	Tehri	0.02		1.99			
4	Chamoli	NIL		0.41			
5	Rudraprayag	0.49		1.67			
6	Uttarkashi	NIL		NIL			
7	Nainital	3.6772	0	0	0	0	0
8	Almora	0	0	0	0	0	0
9	Bageshwar	0	0	0	0	0	0
10	Pithoragarh	0.03	0	0	0	0	0
11	Champawat	0	0	0	0	0	0
12	Haridwar	1437.16	NIL	2937.35	NIL	NIL	NIL
13	U.S.Nagar	1659.49	NIL	1807.16	NIL	NIL	NIL
	Total	3219.53	0	5045.49	0	0	0

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A5	Details on Hazardous Waste Stored at Occupier Premises	Total Quantity of HW stored at Occupier premises at the beginning of the financial year i.e. 1 st April (MT)					Total Quantity of HW stored at Occupier premises at the end of financial year i.e. 31 st March (MT)				
		S.No.	Name of the District	Landfillable	Incinerable	Recyclable	Utilizable	Landfillable	Incinerable	Recyclable	Utilizable
			34	35	36	37	38	39	40	41	
1	Dehradun	2	1.477	89.28		1.5	2.15	82.98			
2	Pauri	2.672	0.116	NIL		1.075	0.05	NIL			
3	Tehri	0.648	NIL	NIL		0.493	NIL	NIL			
4	Chamoli	NIL	NIL	0.69		NIL	NIL	0.52			
5	Rudraprayag	NIL	NIL	NIL		NIL	NIL	NIL			
6	Uttarkashi	NIL	NIL	NIL		NIL	NIL	NIL			
7	Nainital	0	0	0	0	0	0	0	0		
8	Almora	0	0	0	0	0	0	0	0		
9	Bageshwar	0	0	0	0	0	0	0	0		
10	Pithoragarh	0	0	0	0	0	0	0	0		
11	Champawat	0	0	0	0	0	0	0	0		
12	Haridwar	0	60.945	6.484	0	10.352	0	23.438	0		
13	U.S.Nagar	58.9294	0.3	14.5956	14.45	13.23	85.841	271.452	47.5		
	Total	64.2494	62.838	111.0496	14.45	26.65	88.041	378.39	47.5		

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A7-A Details of Domestic Hazardous Wastes* Resulting from Enforcement of Other Regulation							
S.No.	Name of the District	Name and Address of deposition centres authorized for collection	Authorized capacity (MT)	Quantity of domestic HW received at deposition centres during April-March (MT)	Quantity of domestic HW sent to common TSDF during the year April-March (MT)	Quantity of hazardous waste stored at deposition centres (MT)	
						at the beginning of the financial year i.e. 1 st April	at the end of financial year i.e. 31 st March
		54	55	56	57	58	59
1	Dehradun	NIL	NIL	NIL	NIL	NIL	NIL
2	Pauri	NIL	NIL	NIL	NIL	NIL	NIL
3	Tehri	NIL	NIL	NIL	NIL	NIL	NIL
4	Chamoli	NIL	NIL	NIL	NIL	NIL	NIL
5	Rudraprayag	NIL	NIL	NIL	NIL	NIL	NIL
6	Uttarkashi	NIL	NIL	NIL	NIL	NIL	NIL
7	Nainital	NIL	NIL	NIL	NIL	NIL	NIL
8	Almora	NIL	NIL	NIL	NIL	NIL	NIL
9	Bageshwar	NIL	NIL	NIL	NIL	NIL	NIL
10	Pithoragarh	NIL	NIL	NIL	NIL	NIL	NIL
11	Champawat	NIL	NIL	NIL	NIL	NIL	NIL
12	Haridwar	NIL	NIL	NIL	NIL	NIL	NIL
13	U.S.Nagar	NIL	NIL	NIL	NIL	NIL	NIL
Total		0	0	0	0	0	0

*Please refer section 3.1.4 of the guidelines for preparation of inventory on hazardous waste management

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7-B	Details of Fluorescent and Other Mercury containing lamps * resulting from Enforcement of Other Regulation							
	No.	Name of the District	Name and Address of collection centres authorized for collection	Authorized capacity (MT)	Quantity of waste received at collection centres during the year April-March (MT)	Quantity of waste sent to common TSDF during the year April-March (MT)	Quantity of hazardous waste stored at collection centres (MT)	
at Occupier premises at the beginning of the financial year i.e. 1 st April							at Occupier premises at the end of financial year i.e. 31 st March	
			60	61	62	63	64	65
1	Dehradun	NIL	NIL	NIL	NIL	NIL	NIL	NIL
2	Pauri	NIL	NIL	NIL	NIL	NIL	NIL	NIL
3	Tehri	NIL	NIL	NIL	NIL	NIL	NIL	NIL
4	Chamoli	NIL	NIL	NIL	NIL	NIL	NIL	NIL
5	Rudraprayag	NIL	NIL	NIL	NIL	NIL	NIL	NIL
6	Uttarkashi	NIL	NIL	NIL	NIL	NIL	NIL	NIL
7	Nainital	NIL	NIL	NIL	NIL	NIL	NIL	NIL
8	Almora	NIL	NIL	NIL	NIL	NIL	NIL	NIL
9	Bageshwar	NIL	NIL	NIL	NIL	NIL	NIL	NIL
10	Pithoragarh	NIL	NIL	NIL	NIL	NIL	NIL	NIL
11	Chamapawat	NIL	NIL	NIL	NIL	NIL	NIL	NIL
12	Haridwar	NIL	NIL	NIL	NIL	NIL	NIL	NIL
13	U.S.Nagar	NIL	NIL	NIL	NIL	NIL	NIL	NIL
	Total	0	0	0	0	0	0	0

Case refer section 3.1.4 of the guidelines for preparation of inventory on hazardous waste management

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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 during the year April-March (MT)		Quantity of waste sent to common TSDF during financial		Quantity of waste stored at beginning of the year financial year i.e. 1 st April (MT)		Quantity of waste stored at end of the year financial year i.e. 31 st March (MT)	
				Hazardous waste	Other waste	Hazardous waste	Other waste	Hazardous waste	Other waste	Hazardous waste	Other waste
				68	69	70	71	72	73	74	75
1	Dehradun	0	0	0	0	0	0	0	0	0	0
2	Pauri	0	0	0	0	0	0	0	0	0	0
3	Tehri	0	0	0	0	0	0	0	0	0	0
4	Chamoli	0	0	0	0	0	0	0	0	0	0
5	Rudraprayag	0	0	0	0	0	0	0	0	0	0
6	Uttarkashi	0	0	0	0	0	0	0	0	0	0
7	Nainital	0	0	0	0	0	0	0	0	0	0
8	Almora	0	0	0	0	0	0	0	0	0	0
9	Bageshwar	0	0	0	0	0	0	0	0	0	0
10	Pithoragarh	0	0	0	0	0	0	0	0	0	0
11	Champawat	0	0	0	0	0	0	0	0	0	0
12	Haridwar	0	0	0	0	0	0	0	0	0	0
13	U.S. Nagar	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0

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5	Anmol Paryavaran Sarakshan Samiti, Daulatpur, Budhwa Shahid, Banjarewala, Haridwar	E-waste	1200	29.189
6	Root Recycling, Khasra No. 911, Village- Padli Gurjar, Roorkee, District-Haridwar (Recycler)	E-waste	2880	24.67
7				
8				
	Total		225223.06	30720.9756
B	List of Authorized Utilizers (under Rule 9) of hazardous and other wastes			0
1	Choksi Herais, Udaipur			
2	Hindustan Platinum, Mumbai (MH)			
3	Garishma Metal Ltd., Mumbai (MH)			
4	Shubham Machines, Gaziabad (U.P.)			
5	Global Environmental Solution, Gadarpur, U.S. Nagar			
6				
C	List of Authorized Utilizers (under captive utilization) of hazardous and other wastes			0
1	Century Pulp & Paper (Cat-5.1)	Used Oil	10	8.4
2				
D	List of Authorized Pre-processors of hazardous and other wastes			
1				
2				
	Total			
E	List of Authorized Co-processors of hazardous and other wastes			
1				
2			
	Total			

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C List of Authorized Recyclers / Utilizers /Pre-processors/ Co-processors of Hazardous Waste				
Name of SPCB Uttarakhand Pollution Control Board			Year: 2023-2024	
S.No	Name and Address of the Facility	Type of Hazardous Waste authorised for recycling	Authorized Recycling / Utilization / Co-Processing Capacity (MTA)	Quantity Recycled/ Utilized/ Co-processed (MT)
	79	80	81	82
A List of Authorized Recyclers of hazardous waste				
1	M/s K. Nandini Refinery, Pilibheet (U.P.)	Used Oil		1.52
2	M/s Om Udhyog Ludhiana	Used Oil		0.91
3	M/s Bharat Oil Waste Management, Roorkee	Used Oil		11.16
4	Global Environmental Solution, Gadarpur, U.S. Nagar	Used Oil/Waste Oil, Hazardous Waste contaminated containers	Used Oil - 2800 MT/month Hazardous Waste contaminated containers-12500 no./month	476.458
5	M/s Prime Plast Packaging, Rudrapur	Hazardous Waste contaminated containers	5000 no./month	204.478
6	M/s Himalay Enterprises	Hazardous Waste contaminated containers	6500 no./month	132.505
7	Vimal Petrothin Pvt. Ltd., IP-15A Raipur Sahakari Audhyogic Kshetra, Raipur, Roorkee	Lead Bearing residue and Lead acid batteries	36000	26116.84
8	Tanya Engineers, Khasra no. 2014, Raipur Industrial Area, Bhagwanpur, Roorkee	Lead Bearing residue and Lead acid batteries	4800	61.05
	Shahid Metal Alloys, Khasra No. 353, Raipur Industrial Area, Bhagwanpur, Roorkee	Lead Bearing residue and Lead acid batteries	4500	1161.61
	Jay AceTechnologies Ltd., Kh. No. 92,93,94 & 95 Raipur Industrial Area, Bhagwanpur, Roorkee	Lead Bearing residue and Lead acid batteries	24000	161.595
1	Attero Recycling Pvt. Ltd., Khasra no. 117 Raipur Bhagwanpur, Roorkee	E-waste	144000	133.021
2	Bharat Oil & Waste Management, Mukimpur, Laksar, Roorkee	E-waste	4500	31.2676
3	Resource E-waste Solution Pvt. Ltd., F-97, Bahadrabad, Haridwar	E-waste	2343.06	1414.679
4	Scarto Metal Recycle Plant, Kh. No. 314, Mewar Khurd, Roorkee	E-waste	1000	760.023

	Add row for utilization of hazardous and other wastes and provide relevant details required under the respective columns			
	Total			
D	Pre-processing of hazardous and other waste			
1				
2				
	Add row for utilization of hazardous and other wastes and provide relevant details required under the respective columns			
	Total			
E	Co-processing in Cement Plants			
1	Zinc Bearing Wastes			
2	Add row for utilization of hazardous and other	5		942.18
	Total	5		942.18

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B Annual Inventory on Recycling / Utilization/Pre-processing/Co-Processing of Hazardous and Other Waste				
Name of SPCB - Uttarakhand Pollution Control Board		Year: 2023-2024		
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
		76	77	78
A	Commonly Recyclable HW			
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	4	69300	27501.09
6	E-Waste	6	155923.06	135280.82
7	Paint and ink Sludge/residues			
8	Used oil	6		20.009
9	Waste Oil	1		25.87
	Add row for recycling of hazardous waste (listed under schedule IV) apart from above and provide relevant details required under the respective columns			
	Total		225223.06	162827.789
B	Non-captive utilization based on CPCBs SOPs			
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 ₂ SO ₄ generated form 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	3		787.57
	Total	3		787.57
C	Captive utilization of hazardous and other wastes for which SOP has not been prepared by CPCB			
1	Century Pulp & Paper (Cat-5.1)			
2				

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D1-A Details on disposal of Hazardous Waste in Common TSDF(s)														
Name of SPCB Uttarakhand Pollution											Year: 2023-2024			
S.No	Name and Address of the TSDF	Quantity in Stock at the beginning of the year (MT)		*Quantity of Hazardous Waste Received (MT)		Quantity of Hazardous Waste Disposed (MT)		Quantity in Stock at the end of the year (MT)		Cumulative HW disposed by the end of financial year (MT)		Capacity		
		Landfill able	Incinerable	For landfill	For Incineration	For landfill	Quantity Incinerated	Landfill able	Incinerable	SLF	Incinerator	Incinerator (T/H)	Incinerator (Kcal)	Landfill (MT/A)
		83	84	85	86	87	88	89	90	91	92	93	94	95	96
1	Bharat oil & waste Manegement Ltd, Roorkee	0	60.945	3220.1	5055.32	3209.75	4544.619	10.352	98.24	54392	51315	1.63	7.5	8000
* Including wastes received from other State/UT														
D1-B Details on disposal of Other Waste in Common TSDF(s)														
Name of SPCB - Uttarakhand Pollution Control Board											Year: 2019-2020			
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		Capacity		
		Landfill able	Incinerable	For landfill	For Incineration	Quantity Landfilled directly	Quantity Incinerated	Landfill able	Incinerable	SLF	Incinerator	Incinerator (T/H)	Landfill (MT/A)	
		97	98	99	100	101	102	103	104	105	106	107	108	109
1	Bharat oil & waste Manegement Roorkee	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
* Including wastes received from other State/UT														

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D2	Details on Captive TSDF (s)							
Name of SPCB - Uttarakhand Pollution Control Board					Year: 2023-2024			
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
			110	111	112	113	114	115
1	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL

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Details on Common TSDF(s) involved in disposal of Domestic Hazardous Waste and Fluorescent and Other Mercury containing lamps											
Name of SPCB											Year: 2023-2024
Uttarakhand Pollution Control Board											
S.No	Name and Address of the TSDFs involved in disposal of domestic Hazardous waste and Fluorescent 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 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 at Occupier premises at the beginning of the financial year	Quantity of waste stored at Occupier premises at the end of financial year	Fluorescent and other mercury containing at the beginning of financial year	Fluorescent and other mercury containing at the end of financial year
		118	120	121	122	123	124	125	126	127	128
1	Bharat Oil & waste management Roorkee	NIL		6.108	Industries of Uttarakhand		6.108	NIL	NIL	NIL	NIL