

KERALA STATE POLLUTION CONTROL BOARD
THIRUVANANTHAPURAM
20 FEB 2024
DESPATCHED

General: 0471- 2312910, 2318153, 2318154, 2318155 Chairman: 2318150 Member Secretary: 2318151
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KERALA STATE POLLUTION CONTROL BOARD

കേരള സംസ്ഥാന മലിനീകരണ നിയന്ത്രണ ബോർഡ്

Pattom P.O., Thiruvananthapuram – 695 004

പട്ടം പി.ഒ., തിരുവനന്തപുരം - 695 004



KSPCB/1658/2023-SEE-2

Date: 27/01/2024

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

Sub:- Annual Inventory on hazardous & other waste management for the year 2022-2023 –reg.

- Ref:-
- 1) Email dated 16.11.2023 enclosing this office letter of even no. dated 15.11.2023 addressed to CPCB.
 - 2) Email dated 04.01.2024 from CPCB enclosing letter No. CP-21/62/2021-WM-II-HO-CPCB-HO/ dated 04.01.2024 addressed to Lakshadweep PCC
 - 3) Copy of the Email dated 08.01.2024 sent by M/s. CEE JEE Lubricants to lk-dst@nic.in enclosing pink copy of manifest (Form-10, 2 nos.)
 - 4) Email dated 10.01.2024 from bappu876@gmail.com enclosing letter No. LED/BPR /1/3/2020/ dated 10.01.2024 received from Electricity Sub Division, Beypore
 - 5) File no: LD-03006/7/2019-LPCC-UT-LKS dated 14.01.2024 addressed to CPCB by Lakshadweep PCC
 - 6) Email dated 04.01.2024 from CPCB enclosing letter No. CP-21/70/2021-WM-II-HO-CPCB-HO/ dated 04.01.2024 addressed to Puducherry PCC
 - 7) This office letter No. KSPCB/1658/2023-SEE-2 dated 27/01/2024 addressed to Lakshadweep PCC
 - 8) This office letter No. KSPCB/1658/2023-SEE-2 dated 27/01/2024 addressed to Puducherry PCC

Sir,

The Annual Inventory on the generation and management of hazardous and other wastes for the year 2022-2023 had earlier been submitted on 16.11.2023 vide ref.(1). It was later informed that 3864.43 MT of sludge/oily waste (SCHEDULE I - category 3.1 and 4.3) has been transported from Kerala to Tamil Nadu by M/s. Avatar Petrochemicals Private Ltd. for reprocessing. Details on the same have been updated in the Hazardous Waste Annual Inventory for the year 2022-23 and attached herewith. It was informed vide ref. (2) that 28 KL of used/waste oil transported from Lakshadweep to Kerala was not reflected in the Annual Inventory prepared by Kerala SPCB for the year 2022-23. As per the pink manifest submitted by M/s. CEE JEE Lubricants vide ref. (3), the used oil/waste oil

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was received on 11.01.2022 and 06.05.2023. Additionally, the letter and invoice submitted by Electricity Subdivision, Beypore vide ref. (4) and letter under ref. (5) indicate that used oil/waste oil was transported on 06.02.2021, 11.01.2022, 06.05.2023 & 10.01.2024. But the transportation of hazardous waste was not observed to fall within the financial year 2022-23, i.e., from 01.04.2022 to 31.03.2023. Consequently, the data regarding the same was not included in the Hazardous Waste Annual Inventory prepared for the financial year 2022-23. This was reported to Lakshadweep PCC also vide ref. (7), Based on letter received vide ref. (6), in order to verify the details with respect to the interstate movement of hazardous waste and for reporting the same to that office, Puducherry PCC was requested vide ref. (8), to furnish the details of the sender/receiver, details of waste, date and quantity of waste that had been transported. The details are yet to be received. Necessary action may kindly be taken.

Yours faithfully,


CHAIRPERSON

Encl: Ref. 3, 4, 5, 7 and 8 (via email)

Copy to:

Shri B.Vinod Babu
Division Head & Scientist 'F'
Waste Management-II
Central Pollution Control Board
East Arjun Nagar, New Delhi- 110 032
Email: hwmd.cpcb@nic.in

**Submission of Annual Inventory on Hazardous and Other Waste Management
Year: 2022-2023**

A1 Details on Hazardous Waste Generation																			
Sl.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 (Metric Tonne/year)				Total Quantity(Metric Tonne/year)	Quantity of HW generated during the year (Metric Tonne/year)				Total Quantity	Details on Import and Export of Hazardous Waste			
						Landfillable	Incinerable	Recyclable	Utilizable		Landfillable	Incinerable	Recyclable	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	13
1	Thiruvananthapuram	151	151	NIL	12	2488.29	NIL	46.74	NIL	2535.03	2488.29	NIL	46.74	NIL	2535.03	NIL	NIL	NIL	NIL
2	Kollam	185	185	NIL	185	20000	NIL	315.4	NIL	20315.4	14173.34	NIL	315.4	NIL	14488.74	NIL	NIL	NIL	NIL
3	Pathanamthitta	80	80	NIL	66	29.682	NIL	285.2	NIL	314.882	29.682	NIL	285.2	NIL	314.882	NIL	NIL	NIL	NIL
4	Alappuzha	57	57	NIL	36	2010.445	NIL	65.135	NIL	2075.58	2010.445	NIL	65.135	NIL	2075.58	NIL	NIL	NIL	NIL
5	Kottayam	64	64	NIL	20	504.24	NIL	654.9	NIL	1159.14	134.9	NIL	613.2	NIL	748.1	NIL	NIL	NIL	NIL
6	Idukki	58	58	NIL	42	226.25	NIL	69.56	NIL	295.81	224.28	NIL	62.434	NIL	286.714	NIL	NIL	NIL	NIL
7	Ernakulam	745	745	NIL	249	11472.7	5	2187.2	13642	27306.9	*20478.819	1	840.407	11.88	21332.106	NIL	NIL	NIL	NIL
8	Thrissur	220	174	NIL	58	213.623	NIL	267.43	NIL	481.053	158.92	NIL	243.958	NIL	402.878	NIL	NIL	NIL	NIL
9	Palakkad	96	96	NIL	65	3500.59	NIL	3200	NIL	6700.59	3366.646	NIL	527.94	NIL	3894.586	NIL	NIL	NIL	NIL
10	Malappuram	32	32	NIL	23	25.84	NIL	59.6878	NIL	85.5278	25.84	NIL	59.6878	NIL	85.5278	NIL	NIL	NIL	NIL
11	Kozhikode	103	103	NIL	37	218.948	NIL	165.019	NIL	383.967	68	NIL	1.08	NIL	69.08	NIL	NIL	NIL	NIL
12	Wayanad	64	64	NIL	47	0	NIL	75.36	NIL	75.36	0	NIL	75.36	nil	75.36	NIL	NIL	NIL	NIL
13	Kannur	299	299	NIL	88	120.3	NIL	138.2	NIL	258.5	120.3	NIL	138.2	NIL	258.5	NIL	NIL	NIL	NIL
14	Kasaragod	32	25	NIL	29	2.2195	NIL	105.5534	NIL	107.7729	2.2195	NIL	105.5534	NIL	107.7729	NIL	NIL	NIL	NIL
	Total	2186	2133	0	957	40813.1275	5	7635.3852	13642	62095.5127	43281.6815	1	3380.2952	11.88	46674.8567	0	0	0	0

*It is noted that actual hazardous waste generated in 9 industries is found to be higher than authorised quantity. The explanation is called from such industries.

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

SI. 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	0	NIL	0
2	For disposal at common Incinerator	NIL	0	NIL	0
3	For recycling by Schedule IV recyclers	NIL	0	Avatar Petrochemicals Pvt Ltd, Plot No:19, S.No:2321/3 (PT), SIDCO INDL Estate, Thimmarasanaikanur, Audipatti Taluk, Theni District, Tamilnadu.	3864.43
		NIL	0	3S RECLAIMERS, PLOT No-G-13/3/midc Ahamed Nagar, Maharashtra	0.7
4	For Utilization in co-processing (cement plants)	NIL	0	NIL	0
5	For non-captive utilization based on CPCBs SOPs	NIL	0	NIL	0

A3 Details on Hazardous Waste Recycled and Utilized

SI.No.	Name of the District	Recycling / Utilization of hazardous waste (generated within the State/ UT)							Recycling/Utilization of hazardous waste (received from other Stae/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		Co-processing in Cement plant	Non-captive utilization based on CPCBs SOPs
		Generated within state	Imported	Generated within state	Imported	Generated within state	Imported		Generated within state		
		18	19	20	21	22	23	24	25	26	27
1	Thiruvananthapuram	46.74	0	0	0	0	0	0	0	0	0
2	Kollam	315.4	0	0	0	0	0	0	0	0	0
3	Pathanamthitta	285.2	0	0	0	0	0	0	0	0	0
4	Alappuzha	65.135	0	0	0	0	0	0	0	0	0
5	Kottayam	613.2	0	0	0	0	0	0	0	0	0
6	Idukki	62.434	0	0	0	0	0	0	0	0	0
7	Ernakulam	839.142	0	0	0	0	0	11.88	0	0	0
8	Thrissur	243.958	0	0	0	0	0	0	0	0	0
9	Palakkad	536.4412	0	0	0	0	0	0	0	0	0
10	Malappuram	59.6878	0	0	0	0	0	0	0	0	0
11	Kozhikode	1.08	0	0	0	0	0	0	0	0	0
12	Wayanad	75.36	0	0	0	0	0	0	0	0	0
13	Kannur	138.2	0	0	0	0	0	0	0	0	0
14	Kasaragod	94.2972	0	0	0	0	0	0	0	0	0
	Total	3376.2752	0	0	0	0	0	11.88	0	0	0

A4 Details on Hazardous Waste Disposed

Sl. 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
1	Thiruvananthapuram	2488.29	0	0	0	0	0
2	Kollam	0	14173.34	0	0	0	0
3	Pathanamthitta	29.682	0	0	0	0	0
4	Alappuzha	2010.445	0	0	0	0	0
5	Kottayam	134.9	0	0	0	0	0
6	Idukki	224.28	0	0	0	0	0
7	Ernakulam	20537.3	0	0	0	0	0
8	Thrissur	158.92	0	0	0	0	0
9	Palakkad	3299.164	0	0	0	0	0
10	Malappuram	25.84	0	0	0	0	0
11	Kozhikode	68	0	0	0	0	0
12	Wayanad	0	0	0	0	0	0
13	Kannur	120.3	0	0	0	0	0
14	Kasaragod	2	0	0	0	0	0
	Total	29099.12	14173.34				

A5 Details on Hazardous Waste Stored at Occupier Premises

SI.No	Name of the District	Total Quantity of HW stored at Occupier premises at the beginning to the financial year i.e. 1st April (MT)				Total Quantity of HW stored at Occupier premises at the end of financial year i.e. 31st March (MT)			
		Landfillable	Incinerable	Recyclable	Utilizable	Landfillable	Incinerable	Recyclable	Utilizable
		34	35	36	37	38	39	40	41
1	Thiruvananthapuram	0	0	0	0	0	0	0	0
2	Kollam	97526.21	0	0	0	111699.55	0	0	0
3	Pathanamthitta	0	0	0	0	0	0	0	0
4	Alappuzha	0	0	0	0	0	0	0	0
5	Kottayam	0	0	0	0	0	0	0	0
6	Idukki	0	0	0	0	0	0	0	0
7	Ernakulam	208.432	0	0.07	4.0905	149.956	1	1.335	4.0905
8	Thrissur	0	0	0	0	0	0	0	0
9	Palakkad	163.8285	0	8.5012	0	231.3105	0	0	0
10	Malappuram	0	0	0	0	0	0	0	0
11	Kozhikode	0	0	0	0	0	0	0	0
12	Wayanad	0	0	0	0	0	0	0	0
13	Kannur	0	0	0	0	0	0	0	0
14	Kasaragod	0.115	0	0.957	0	0.3345	0	12.2133	0
	Total	97898.5855	0	9.5282	4.0905	112081.151	1	13.5483	4.0905

A6 Details on management of Other Waste (Domestically generated and imported)

Sl.No.	Name of the District	*Number of units authorized for recycling /utilization of Other Waste (MT)		Authorized capacity (MT)		Quantity of other waste Imported from other country (MT)	BaseI Number	Name of country	Quantity of other waste exported to other country (MT)	Type and category	Name of Country	Quantity of other waste domestically generated (MT)	Quantity of other waste received from other state (MT)	Quantity of other waste sent to other state (MT)	Quantity of other waste (Schedule III waste B and D) utilized/recycled during the year April-March (MT)		Other waste sent for disposal to Common TSDf (MT)	Quantity of HW generated during recycling/ utilization of other waste (MT)	Quantity of HW sent for disposal (MT) (as given at 54)	Quantity ofn other waste stored at occupiers premises (MT) (Including imported and domestically generated)		
		Other Waste Schedule III-Part B	Other Waste Schedule III-Part D	Other Waste Schedule III-Part B	Other Waste Schedule III-Part D										Imported	Domestically generated				at the beginning of the financial year	at the end of financial year	
		42	43	44	45										46	47				48	49	50
1	Thiruvananthapuram	0	0	NIL	NIL	0	NIL	NIL	0	NIL	NIL	0	0	0	0	0	0	0	0	0	0	0
2	Kollam	0	0	NIL	NIL	0	NIL	NIL	0	NIL	NIL	0	0	0	0	0	0	0	0	0	0	0
3	Pathanamthitta	0	0	NIL	NIL	0	NIL	NIL	0	NIL	NIL	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	0	0	NIL	NIL	0	NIL	NIL	0	NIL	NIL	0	0	0	0	0	0	0	0	0	0	0
5	Kottayam	0	0	NIL	NIL	0	NIL	NIL	0	NIL	NIL	0	0	0	0	0	0	0	0	0	0	0
6	Idukki	0	0	NIL	NIL	0	NIL	NIL	0	NIL	NIL	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	0	6	NIL	35900	10544.171	B1010, B3020	Multiple	0	NIL	NIL	5020.97	0	0	10544.171	4934.77	0	0	0	0	0	86.2
8	Thrisur	0	0	NIL	0	0	NIL	NIL	0	NIL	NIL	0	0	0	Nil	Nil	0	0	0	0	0	0
9	Palakkad	0	19	NIL	1875500	3783.443	B1010, B3020	Multiple	0	NIL	NIL	172002.353	0	0	3783.443	172002.353	0	0	0	0	0	0
10	Malappuram	0	0	NIL	NIL	0	NIL	NIL	0	NIL	NIL	0	0	0	0	0	0	0	0	0	0	0
11	Kozhikode	0	0	NIL	NIL	0	NIL	NIL	0	NIL	NIL	0	0	0	0	0	0	0	0	0	0	0
12	Wayanad	0	0	NIL	NIL	0	NIL	NIL	0	NIL	NIL	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	0	0	NIL	NIL	0	NIL	NIL	0	NIL	NIL	0	0	0	0	0	0	0	0	0	0	0
14	Kasaragod	0	0	NIL	NIL	0	NIL	NIL	0	NIL	NIL	0	0	0	0	0	0	0	0	0	0	0
	Total	0	25	0	1911400	14327.614	B1010, B3020		0			177023.323	0	0	14327.614	176937.123	0	0	0	0	0	86.2

A7-A Details of Domestic Hazardous Wastes Resulting from Enforcement of Other Regulation

Sl.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 (MT)	Quantity of domestic HW sent for recycling/ utilization (MT)	Quantity of domestic HW sent to common TSDF (MT)		Quantity of hazardous waste stored at deposition centres (MT)	
						SLF	Incinerator	at the beginning of the financial year i.e.1st April	at the end of financial year i.e. 31st March
		54	55	56		57		58	59
1	Thiruvananthapuram	NIL	NIL	0	0	0	0	0	0
2	Kollam	NIL	NIL	0	0	0	0	0	0
3	Pathanamthitta	NIL	NIL	0	0	0	0	0	0
4	Alappuzha	NIL	NIL	0	0	0	0	0	0
5	Kottayam	NIL	NIL	0	0	0	0	0	0
6	Idukki	NIL	NIL	0	0	0	0	0	0
7	Ernakulam	NIL	NIL	0	0	0	0	0	0
8	Thrissur	NIL	NIL	0	0	0	0	0	0
9	Palakkad	NIL	NIL	0	0	0	0	0	0
10	Malappuram	NIL	NIL	0	0	0	0	0	0
11	Kozhikode	NIL	NIL	0	0	0	0	0	0
12	Wayanad	NIL	NIL	0	0	0	0	0	0
13	Kannur	NIL	NIL	0	0	0	0	0	0
14	Kasaragod	NIL	NIL	0	0	0	0	0	0

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

Sl.No.	Name of the District	Name and Address of collection centres authorized for collection	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 (MT)	Quantity of hazardous waste stored at collection centres (MT)	
							at the beginning of the financial year i.e.1st April	at the end of financial year i.e.31st March
		60	61	62		63	64	65
1	Thiruvananthapuram	NIL	NIL	0	0	0	0	0
2	Kollam	NIL	NIL	0	0	0	0	0
3	Pathanamthitta	NIL	NIL	0	0	0	0	0
4	Alappuzha	NIL	NIL	0	0	0	0	0
5	Kottayam	NIL	NIL	0	0	0	0	0
6	Idukki	NIL	NIL	0	0	0	0	0
7	Ernakulam	Kerala Enviro Infrastructure Ltd Common TSDF project, Inside FACT CD Campus, Ambalamedu, Kochi -682 303, Kerala	1 MT/day	NIL	NIL	20.886	25.25	8.356
8	Thrissur	NIL	NIL	0	0	0	0	0
9	Palakkad	NIL	NIL	0	0	0	0	0
10	Malappuram	NIL	NIL	0	0	0	0	0
11	Kozhikode	NIL	NIL	0	0	0	0	0
12	Wayanad	NIL	NIL	0	0	0	0	0
13	Kannur	NIL	NIL	0	0	0	0	0
14	Kasaragod	NIL	NIL	0	0	0	0	0

B Annual Inventory on Recycling/ Utilization/ Pre-processing/ Co-Processing of Hazardous and Other Waste					
Sl. No.	Type of Recycling Facilities	No of Facilities authorized for recycling /utilization/Pre-processing/Co-processing /Co-processing of HW (MT)	Total Authorized Capacity (MTA)	Quantity Recycled /Utilized/Pre-processed/Co-processed (MT) during the year	
				78	
				Imported Quantity	Other Than Imported Quantity
		76	77		
I	Hazardous Waste				
A	Commonly Recyclable HW				
	RECYCLER				
1	Brass Dross				
2	Zinc Bearing Wastes				
3	Copper Bearing Waste				
4	Spent catalyst containing nickel, cadmium, Zinc, copper, arsenic, vanadium and cobalt	1 recycler	2800	0	0
5	Lead bearing waste including battery waste				
6	E-Waste				
7	Paint and ink Sludge/ residues				
8	Used Oil + Waste Oil	6 recyclers	45638	0	14243.797
	Total	7 recyclers	48438	0	14243.797
	UTILIZER				
1	Oily sludge from ETP	1	13500	0	0
2	Used Oil	1	92	0	0
3	Used Oil & Waste Oil	4	50	0	11.88
	Total	6	13642	0	11.88
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, Indium,Osmium, Palladium, Rhodium,Rhenium, Gold & Silver				
4	Utilization of Spent H2SO4 generated from packing operations for manufacturing Ferrous Sulphate				
5	Utilization of Spent Acid containing Molybdenum generated from filament industries for producing Molybdenum Trrioxide by heating process				
6	De-contamination of contaminated drums/containers/barr els				
	Total				
C	Captive utilization of hazardous wastes for which SOP has not been prepared by CPCB				
	Total				
D	Pre-processing of hazardous waste				
	Total				
E	Co-processing in Cement Plants				
	Total				
II	Other Waste				
A	Other Waste recyclers				
1	Iron and Steel Scrap	1	6000	0	4934.77
2	Paper, paperboard & paper product waste-	2	14700	303.029	0
3	Aluminium scrap	3	15200	10241.142	0
	Total	6	35900	10544.171	4934.77
B	Utilizers (Under Rule 9) of other waste				
	Iron and Steel Scrap	19	1875500	3783.443	172002.353
	Total	19	1875500	3783.443	172002.353
C	Utilizers (under captive utilization) of other waste				
	Total				
D	Pre-processors of other waste				
	Total				
E	Co-processors of other waste				
	Total				

C List of authorized Recyclers/Utilizers/Pre-processors/Co-processors of Hazardous Waste					
SI.No	Name & 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)	
				82	
				Imported	Other than imported
	79	80	81		
I.	Hazardous Wastes				
A	List of Authorized Recyclers of hazardous waste				
1	Excel Petrochemicals, Industrial Development Area, Edayar, Muppathadom P.O.	Used Oil	1200	0	332.974
2	Cee Jee Lubricants, VI/592, IDA Edayar, Aluva, Ernakulam-683502	Used Oil	3000	0	2695.85
		Waste Oil	6000	0	1790.45
3	K.J. Lubes, Athani, Thrissur	Used oil	1278	Currently not working	
4	APJ Refineries Private Limited, New Industrial Development Area, Kanjikode, Palakkad678621	Used Oil	14600	0	6530.411
		Waste Oil	8760	0	894.305
5	SWARAJ BIO FUEL ENERGY VIII/1256, NIDA, Kanjikode West, Pudussery central Village, Palakkad,	Used Oil	1800	0	1488.877
		Waste Oil	1800	0	510.93
6	Petroliv Petroleum, Sy.No.676/87 G, Erikulam P.O, Madikkai, Nileshwar, Kasaragod-671314	Used oil	3600	Consent revoked	
		Waste oil	3600		
7	Aaron International Parakkulam, Kappur, Annakkara	Spent catalyst	2800	0	0
	Total		48438		14243.797
B	List of Authorized Utilizers(under Rule 9) of hazardous waste				
1	BPCL Kochi Refinery	Oily sludge from ETP	13500	0	0
2	FACT-CD	Used Oil	92	0	0
3	FACT, UD	Used oil / Waste oil	20	0	6.7
4	FACT, PD	Used oil / Waste oil	20	0	4.12
5	IREL	Used oil / Waste oil	5	0	0.67
6	HINDALCO	Used oil / Waste oil	5	0	0.39
Total			13642	0	11.88
C	List of Authorized Utilizers(under captive utilization)of hazardous waste				
	Total				
D	List of Authorized Pre-processors of hazardous waste				
	Total				
E	List of Authorized Co-processors of hazardous waste				

	Total				
II.	Other Waste				
A	List of Authorized recyclers of other other waste				
1	Premium Ferro Alloys LTD	Iron and Steel Scrap	6000	0	4934.77
2	Cochin Cadas	Paper, paperboard & paper product waste-	600	230.839	0
3	CSON Paper Mills	Paper, paperboard & paper product waste-	14100	72.19	0
4	Malabar Extrusions Ltd Unit-2	Aluminium scrap	10950	7933.172	0
5	M/s. Imelt Extrusions	Aluminium scrap,billets,profiles	1950	1715.97	0
6	Galaxy Aluminium Industries Pvt. Ltd.	Aluminium scrap thread	2300	592	0
	Total		35900	10544.171	4934.77
B	List of Authorized Utilizers(under Rule 9) of other waste				
1	CPS Steel India (P) Ltd., Kanjikode, Palakkad	Iron and steel scrap	100000	0	0
2	Gasha Steels Pvt Ltd,Nida	Iron and steel scrap	150000	0	103715
3	Mannarkad Steels Pvt Ltd.	Iron and steel scrap	100000	0	0
4	MPS Steel P Ltd,Nida	Iron and steel scrap	100000	0	0
5	Beepath Castings (P) Ltd. Kanjikode, Palakkad	Iron and steel scrap	100000	0	9296.593
6	Kairali Steels & Alloys, Kanjikode, Palakkad	Iron and steel scrap	100000	1175.5	12453.732
7	Minar Alloys And Forigns Pvt Ltd.	Iron and steel scrap	100000	0	0
8	Bhoopathi Steels (P) Ltd., Kanjikode, Palakkad	Iron and steel scrap	100000	1393.535	3029.591
9	CHIRAKKAL STEELS PVT LTD	Iron and steel scrap	100000	0	0
10	M/s. Paragon Steels (P) Ltd., Kanjikode , Palakkad	Iron and steel scrap	100000	0	0
11	Steel Max Alloy Limited,Manjallur.	Iron and steel scrap	100000	0	0
12	Thieh Ingots Pvt.Ltd	Iron and steel scrap	100000	0	26393.415
13	World Wide Iron And Steel	Iron and steel scrap	100000	0	0
14	Yessem Steel Productions	Iron and steel scrap	100000	0	0
15	South Malabar Steels & Alloys Pvt. Ltd., Pattambi, Palakkad	Iron and steel scrap	100000	0	0
16	Vanchinad Forgings Pvt. Ltd., Kanjikode , Palakkad	Iron and steel scrap	100000	1166	3332
17	Kuttippulan Iron & Steel Co. (P) Ltd.,Kanjikode , Palakkad	Iron and steel scrap	100000	0	0
18	AP STEEL REROLLING MILL LTD	Iron and steel scrap	100000	0	0
19	KUNNATH PAPER MILL	Paper waste	25500	48.408	13782.022
	TOTAL		1875500	3783.443	172002.353
C	List of Authorized Utilizers(under captive utilization) of other waste				
	Total				
D	List of Authorized Pre-processors of other waste				
	Total				
E	List of Authorized Co-processors of other waste				
	Total				

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

Sl.No	Name of the District	Name and Address of the TSDF	Quantity of 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	
			Landfillable	Incinerable	For Landfillable	For incineration	Quantity Landfilled directly	Quantity Incinerated	Landfillable	Incinerable	SLF	Incinerator	Incinerator (T/H)	Landfill (MTA)
		97	98	99	100	101	102	103	104	105	106	107	108	109
1	Thiruvananthapuram	NIL	0	0	0	0	0	0	0	0	0	0	NIL	NIL
2	Kollam	NIL	0	0	0	0	0	0	0	0	0	0	NIL	NIL
3	Pathanamthitta	NIL	0	0	0	0	0	0	0	0	0	0	NIL	NIL
4	Alappuzha	NIL	0	0	0	0	0	0	0	0	0	0	NIL	NIL
5	Kottayam	NIL	0	0	0	0	0	0	0	0	0	0	NIL	NIL
6	Idukki	NIL	0	0	0	0	0	0	0	0	0	0	NIL	NIL
7	Ernakulam	NIL	0	0	0	0	0	0	0	0	0	0	NIL	NIL
8	Thrissur	NIL	0	0	0	0	0	0	0	0	0	0	NIL	NIL
9	Palakkad	NIL	0	0	0	0	0	0	0	0	0	0	NIL	NIL
10	Malappuram	NIL	0	0	0	0	0	0	0	0	0	0	NIL	NIL
11	Kozhikode	NIL	0	0	0	0	0	0	0	0	0	0	NIL	NIL
12	Wayanad	NIL	0	0	0	0	0	0	0	0	0	0	NIL	NIL
13	Kannur	NIL	0	0	0	0	0	0	0	0	0	0	NIL	NIL
14	Kasaragod	NIL	0	0	0	0	0	0	0	0	0	0	NIL	NIL

D2 Details on Captive TSDF (S)								
Sl. 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	116	117
1	The Kerala Minerals and Metals Ltd., Chavara, Kollam	Land fill	Nil	20000	14173.34	0	111699.55	0
	Total		Nil	20000	14173.34	0	111699.55	0

