

☎: 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/772/2022-EE-5

23-01-2024

From

The Member Secretary

To

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

Sub:- Updated Annual Inventory on hazardous & other waste management for the year 2021-2022– reg.

Ref:- 1) Letter no. File No. CP-21/61/2021-WM-II-HO-CPCB-HO dated 24.11.2022 from CPCB  
2) Email dated 12.07.2023 enclosing this office letter of even no. dated 11.07.2023  
3) Email dated 08.11.2023 from the Chief Executive Officer, KEIL.

Sir,

Kind attention is invited to the subject matter. The updated Annual Inventory on the generation and management of hazardous and other wastes for the year 2021-2022 was submitted vide ref. (2) after addressing the gaps notified by CPCB vide reference (1). Then clerical errors in the A7-B and D3 formats of the updated Annual Inventory were noticed when the data was cross-checked with the information submitted vide ref.(3) by M/s Kerala Enviro Infrastructure Ltd. (Common HWTSDF) for the preparation of the Annual Inventory for the financial year 2022-2023. In format A7-B, the following errors occurred:

- i. Quantity of waste sent to common TSDF was actually 26.2 MT but it was reported as 18.625 MT.
- ii. Quantity of hazardous waste stored at collection centres at the end of the financial year was actually 25.25MT but it was reported as 33.56 MT.

In format D3, the following errors occurred:

- i. Quantity of fluorescent and other mercury containing lamps received in common TSDF was actually 26.2 MT but it was reported as 18.625 MT.
- ii. Quantity of fluorescent and other mercury containing lamps disposed in common TSDF was actually 36 MT but it was reported as 16.2 MT.
- iii. Quantity of fluorescent and other mercury containing lamps stored at the end of the financial year in common TSDF was actually 25.25 MT but it was reported as 33.56 MT.

The errors were rectified and the corresponding changes were made in the Annual Inventory for the financial year 2021-2022. A revised version of the Annual Inventory for the year 2021-2022

is attached herewith for your kind information and necessary action. It is requested that this report may kindly be published in your website.

Yours faithfully,

A handwritten signature in blue ink, appearing to read "S. K. A. J.", with a horizontal line underneath.

**MEMBER SECRETARY**

**Encl: via email**

Submission of Annual Inventory on Hazardous and Other Waste Management																			
Name of SPCB		KERALA																	
Year: -2021-2022																			
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)				Total Quantity	Quantity of HW Generated during the year (Metric Tonne)				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	Type of HW*
					1	2	3	4	5		6	7	8	9		10	11	12	13
1	Trivandrum	149	149	0	12	2488.29	0	46.12	0	2534.41	2488.29	0	46.12	0	2534.41	0	0	0	0
2	Kollam	158	158	0	158	20000	0	296.2	0	20296.2	14173.34	0	296.2	0	14469.54	0	0	0	0
3	Alappuzha	57	57	0	18	2058.694	0	188.22	0	2246.914	2058.694	0	188.22	0	2246.914	0	0	0	0
4	Pathanamthitta	31	31	0	27	41.79	0	88.533	0	130.323	41.79	0	88.53	0	130.32	0	0	0	0
5	Kottayam	61	61	0	16	458.4	0	595.36	0	1053.76	122.674	0	193.446	0	316.12	0	0	0	0
6	Idukki	58	58	0	42	33	0	96.06	0	129.06	31.67	0	40.5	0	72.17	0	0	0	0
7	Ernakulam	720	720	0	215	16746	1132	15968.976	2888.74	36735.717	14482.1835	0	4620.4045	2686.44	21789.028	0	0	0	0
8	Thrissur	233	181	0	48	213.623	0	253.43	0	467.053	105.86	0	72.948	0	178.808	0	0	0	0
9	Palakkad	75	75	0	75	4000	0	3164.793	0	7164.79	3097.254	0	1165.398	0	4262.652	0	0	0	0
10	Malappuram	32	28 (4 KSRTC DEPOT)	0	32	14487.26	0	353.4435	0	14840.704	14487.26	0	353.4435	0	14840.7035	0	0	0	0
11	Kozhikode	103	103	0	23	218.948	0	165.019	0	383.967	43.98	0	25.02	0	69.00	0	0	0	0
12	Wayanad	41	41	0	36	0	0	40	0	40	0	0	30.8	0	30.8	0	0	0	0
13	Kannur	269	269	0	76	104.83	0	100.11	0	204.94	104.83	0	100.11	0	204.94	0	0	0	0
14	Kasaragod	36	36	0	35	2.2255	0	103.654	0	105.8795	2.2255	0	103.654	0	105.8795	0	0	0	0
	<b>Total</b>	<b>2023</b>	<b>1967</b>	<b>0</b>	<b>813</b>	<b>60853.0605</b>	<b>1132</b>	<b>21459.9185</b>	<b>2888.7</b>	<b>86333.72</b>	<b>51240.051</b>	<b>0</b>	<b>7324.794</b>	<b>2686.44</b>	<b>61251.285</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Note: \*Please specify category also (i.e. Schedule 111-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 (MT)
		14	15	16	17
1	For disposal at common secured landfill				
2	For disposal at common Incinerator				
3	For recycling by Schedule IV recyclers			3S RECLAIMERS, PLOT No-G-13/3/midc Ahamed Nagar, Maharashtra	0.7
4	For Utilization in co-processing (cement plants)				
5	For non-captive utilization based on CPCBs SOPs				

<b>A3 Details on Hazardous Waste Recycled and Utilized</b>											
<b>S.No.</b>	<b>Name of the District</b>	<b>Recycling / Utilization of hazardous waste (generated within the State/ UT)</b>							<b>Recycling/Utilization of hazardous waste ( received from other Stae/UT)</b>		
				<b>Quantity Utilized (MT)</b>					<b>Quantity of waste Recycled (listed under Schedule-IV Hazardous Wastes )(MT)</b>	<b>Quantity Utilized (MT)</b>	
		<b>Quantity of waste recycled (listed under Schedule-IV Hazardous Wastes)</b>		<b>Co-processing in Cement plant</b>		<b>Non-captive utilization based on CPCBs SOPs</b>		<b>Captive utilization of hazardous waste and other</b>		<b>Co-processi ng in Cement</b>	<b>Non-captive utilization based on CPCBs SOPs</b>
		<b>Generated within state</b>	<b>Imported</b>	<b>Generate d within state</b>	<b>Imported</b>	<b>Generate d within state</b>	<b>Imported</b>				
		<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>	<b>27</b>
1	Trivandrum	46.12	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
2	Kollam	296.2	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
3	Alappuzha	188.22	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
4	Pathanamthitta	88.533	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
5	Kottayam	193.446	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
6	Idukki	40.5	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
7	Ernakulam	4620.405	NIL	NIL	NIL	NIL	NIL	2684	NIL	NIL	NIL
8	Thrissur	72.948	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
9	Palakkad	1075.66	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
10	Malapuram	353.4435	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
11	Kozhikode	25.02	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
12	Wayanad	30.8	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
13	Kannur	100.11	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
14	Kasaragod	102.697	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
	<b>Total</b>	<b>7234.102</b>	<b>NIL</b>	<b>NIL</b>	<b>NIL</b>	<b>NIL</b>	<b>NIL</b>	<b>2684</b>	<b>NIL</b>	<b>NIL</b>	<b>NIL</b>

Recycling units collect the waste from all districts

<b>A4 Details on Hazardous Waste Disposed</b>							
<b>S. No.</b>	<b>Name of the District</b>	<b>Disposal of Hazardous waste (generated within the State/UT)</b>				<b>Disposal of Hazardous waste (received from other State/UT)</b>	
		<b>Quantity Disposed in Secured Landfill (MT)</b>		<b>Quantity Disposed through Incinerator (MT)</b>		<b>Quantity Disposed in common(MT)</b>	
		<b>Common</b>	<b>Captive</b>	<b>Common</b>	<b>Captive</b>	<b>SLF</b>	<b>Incinerator</b>
		<b>28</b>	<b>29</b>	<b>30</b>	<b>31</b>	<b>32</b>	<b>33</b>
1	Trivandrum	2488.29	NIL	NIL	NIL	NIL	NIL
2	Kollam	0	14173.34	NIL	NIL	NIL	NIL
3	Alappuzha	2058.694	NIL	NIL	NIL	NIL	NIL
4	Pathanamthitta	41.78	NIL	NIL	NIL	NIL	NIL
5	Kottayam	122.674	NIL	NIL	NIL	NIL	NIL
6	Idukki	31.67	NIL	NIL	NIL	NIL	NIL
7	Ernakulam	14482.18	NIL	NIL	NIL	NIL	NIL
8	Thrissur	105.86	NIL	NIL	NIL	NIL	NIL
9	Palakkad	2933.425	NIL	NIL	NIL	NIL	NIL
10	Malapuram	14487.26	NIL	NIL	NIL	NIL	NIL
11	Kozhikode	43.98	NIL	NIL	NIL	NIL	NIL
12	Wayanad	0	NIL	NIL	NIL	NIL	NIL
13	Kannur	104.83	NIL	NIL	NIL	NIL	NIL
14	Kasaragod	2.1105	NIL	NIL	NIL	NIL	NIL
	<b>Total</b>	<b>36902.757</b>	<b>14173.34</b>	<b>NIL</b>	<b>NIL</b>	<b>NIL</b>	<b>NIL</b>

<b>A5 Details on Hazardous Waste Stored at Occupier Premises</b>									
<b>S.No</b>	<b>Name of the District</b>	<b>Total Quantity of HW stored at Occupier premises at the beginning to the financial year i.e. 1st April (MT)</b>				<b>Total Quantity of HW stored at Occupier premises at the end of financial year i.e. 31st March (MT)</b>			
		<b>Landfillable</b>	<b>Incinerable</b>	<b>Recyclable</b>	<b>Utilizable</b>	<b>Landfillable</b>	<b>Incinerable</b>	<b>Recyclable</b>	<b>Utilizable</b>
		<b>34</b>	<b>35</b>	<b>36</b>	<b>37</b>	<b>38</b>	<b>39</b>	<b>40</b>	<b>41</b>
1	Trivandrum	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
2	Kollam	83352.87	Nil	Nil	Nil	97526.21	Nil	Nil	Nil
3	Alappuzha	NA	NA	NA	NA	NA	NA	NA	NA
4	Pathanamthitta	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
5	Kottayam	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
6	Idukki	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
7	Ernakulam	1.6	NIL	1.44	3.08976	NIL	NIL	NIL	4.0905
8	Thrissur	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
9	Palakkad	124.282	0	8.432	0	163.8285	0	8.5012	0
10	Malapuram	0	NIL	NIL	NIL	0	NIL	NIL	NIL
11	Kozhikode	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
12	Wayanad	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
13	Kannur	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
14	Kasaragod	NIL	NIL	NIL	NIL	0.115	NIL	0.957	NIL
	<b>TOTAL</b>	<b>83477.2</b>	<b>NIL</b>	<b>9.872</b>	<b>3.08976</b>	<b>97690.154</b>	<b>NIL</b>	<b>9.4582</b>	<b>4.0905</b>

A6 Details on management of Other Waste (Domestically generated and imported)																																	
S.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)	Basel 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	46	46(i)										46(ii)	47				47(i)	47(ii)	48	49	50	Imported	Domestically generated	53	54	54(i)	55	56
1	Trivandrum	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL											
2	Kollam	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL											
3	Alappuzha	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil											
4	Pathanamthitta	Nil	Nil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA											
5	Kottayam	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL											
6	Idukki	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL											
7	Ernakulam	NIL	5	NIL	17800 MT/Annum	8405.902 MT	B1010,B3020	MULTIPLE	NA	NA	NA	NA	NA	NA	NA	8405.902 MT	NA	NA	NA	NA	NA	NA											
8	Thrissur	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL											
9	Palakkad	0	19	0	1810000	2291.051	B1010,B3020	MULTIPLE	0	NA	NA	132337.51	0	0	2291.051	132337.51	NIL	NIL	NIL	NIL	NIL	NIL											
10	Malapuram	NIL	2	NIL	165	165	NIL	NIL	nil	NIL	NIL	NIL	NIL	NIL	NIL	165	NIL	NIL	NIL	NIL	NIL	NIL											
11	Kozhikode	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL											
12	Wayanad	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil											
13	Kannur	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL											
14	Kasaragod	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL											
	TOTAL	NIL	26	NIL	1827965	10861.953							132337.51			10861.953	132337.51																
	Total																																

Note:In case of traders,please provide name of the traders,quantity and category of other waste imported and name of actual user to whom the same has been sent





**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 collectionm 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
		<b>60</b>	<b>61</b>	<b>62</b>		<b>63</b>	<b>64</b>	<b>65</b>
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	90 MT	NIL	NIL	26.2	35.05	25.25
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

**A8 Details of waste collectors**

S.No.	Name of the District	Name and address of waste collectors	Authoriz ed 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.1st April (MT)		Quantity of waste stored at end of the year financial year i.e.31st 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	82	83
1	Trivandrum	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
2	Kollam	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
3	Alappuzha	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
4	Pathanamthitta	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
5	Kottayam	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
6	Idukki	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
7	Ernakulam	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
8	Thrissur	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
9	Palakkad	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
10	Malapuram	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
11	Kozhikode	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
12	Wayanad	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
13	Kannur	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
14	Kasargod	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
	<b>Total</b>	<b>NIL</b>	<b>NIL</b>	<b>NIL</b>	<b>NIL</b>	<b>NIL</b>	<b>NIL</b>	<b>NIL</b>	<b>NIL</b>	<b>NIL</b>	<b>NIL</b>	<b>NIL</b>	<b>NIL</b>

Recycling units collect the waste from all districts

<b>B. Annual Inventory on Recycling/ Utilization/ Pre-processing/ Co-Processing of Hazardous and Other Waste</b>					
<b>Name of SPCB: Kerala PCB</b>				<b>Year:2021-22</b>	
<b>S. No.</b>	<b>Type of Recycling Facilities</b>	<b>No of Facilities authorized for recycling /utilization/P re-processing/C</b>	<b>Total Authorized Capacity (MTA)</b>	<b>Quantity Recycled</b>	
				<b>Imported Quantity</b>	<b>Other Than Imported Quantity</b>
				<b>Imported Quantity</b>	<b>Other Than Imported Quantity</b>
		84	85	86	87
1	Hazardous Waste				
<b>A Commonly Recyclable HW</b>					
<b>RECYCLER</b>					
	Spent catalyst containing nickel, cadmium, Zinc, copper, arsenic, vanadium and cobalt	1 recycler	72	0	0
	Used Oil+ Waste Oil	6 recyclers	45804.6 MT for recycling	0	8457.6797 MT recycled
	Total Recycler	7 recyclers	445876.6 MT for recycling		8457.6797 MT recycled
<b>UTILIZER</b>					
	Used Oil+ Waste Oil	1 utilizer	92 MT for utilization		9.22 MT utilized
	Oil Sludge from ETP	1 utilizer	10711.24 MT for utilization		2702.493 MT utilized
	Total Utilizer	2 utilizers	10803.24 MT for utilization		2711.713 MT utilized
<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, Indium,Osmium, Palladium, Rhodium,Rhenium, Gold & Silver				
4	Utilization of Spent H2SO4 generated from packling 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/barrels				
		<b>Total</b>				
<b>C</b>		Captive utilization of hazardous wastes for which SOP has not been prepared by CPCB				
	1					
	2					
		<b>Total</b>				
<b>D</b>		<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				
		<b>Total</b>				
<b>E</b>		<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				
		<b>Total</b>				
<b>II</b>		<b>Other Waste</b>				
<b>A</b>		<b>Other Waste recyclers</b>				
<b>B</b>		<b>Utilizers (Under Rule 9) of other waste</b>	19	1810000	2291.051	132337.5115
		<b>TOTAL</b>				
<b>C</b>		<b>Utilizers (under captive utilization) of other waste</b>				
<b>D</b>		<b>Pre-processors of other waste</b>				
<b>E</b>		<b>Co-processors of other waste</b>				

C List of authorized Recyclers/Utilizers/Pre-processors/Co-processors of Hazardous Waste					
Name of SPCB: Kerala PCB			Year:2021-22		
S.No	Name & Address of the Facility	Type of Hazardous	Authorized Recycling/Ut	Quantity	
				Imported	Other than
	79	88	89	90	91
<b>1.</b>	<b>Hazardous Wastes</b>				
<b>A</b>	<b>List of Authorized Recyclers of hazardous waste</b>				
<b>1</b>	Petrolive Petroleums(Angel group), Erikkulam(PO), Madikkai , Neeleswar,Kasaragod,671314	Used Oil	<b>3600</b>	<b>0</b>	<b>368</b>
		Waste Oil	<b>3600</b>	<b>0</b>	<b>0</b>
<b>2</b>	M/s CEE JEE Lubricants, IDA,Edayar	Used oil	7200	<b>0</b>	575.04
		waste oil	5475	<b>0</b>	0.89
<b>3</b>	M/s Excel petrochemical, Industrial Development Area, Edayar.	Used oil	1200	<b>0</b>	282.49
<b>4</b>	APJ REFINERIES PRIVATE LIMITED NEW INDUSTRIAL DEVELOPMENT AREA, KANJIKODE, PALAKKAD	Used Oil	14600	0	4815.1314
		Waste Oil	8760	0	720.9252
<b>5</b>	SWARAJ BIO FUEL ENERGY VIII/1256, NIDA, Kanjikode West, Pudukkery central Village, Palakkad,	Used Oil	1000	0	785.3031
		Waste Oil	1000	0	909.9
<b>6</b>	K.J. Lubes, Mannuthy, THRISSUR	Used oil	1278	Nil (Currently not working)	
<b>7</b>	Aaron International ,Industrial Development Plot,Parakkulam,Anakkara P O, Palakkad	Spent Catalyst	72	0	0
	<b>Total</b>		45804.6 MT	0	8457.6797 MT
<b>B</b>	<b>List of Authorized Utilizers(under Rule 9) of hazardous waste</b>				
<b>1</b>	BPCL KOCHI, Ernakulam	Oil Sludge	10711.24 MT		2702.493
<b>2</b>	FACT-CD, KOCHI, Ernakulam	Used Oil	92		9.22
	<b>Total</b>		<b>10803.24 MT</b>		<b>2711.713 MT</b>
<b>C</b>	<b>List of Authorized Utilizers(under captive utilization)of hazardous waste</b>				
<b>1</b>					
<b>2</b>					
	<b>Total</b>				
<b>D</b>	<b>List of Authorized Pre-processors of hazardous waste</b>				
<b>1</b>					
<b>2</b>					

	<b>Total</b>				
<b>E</b>	<b>List of Authorized Co-processors of hazardous waste</b>				
<b>1</b>					
<b>2</b>					
	<b>Total</b>				
<b>II.</b>	<b>Other Waste</b>				
<b>A</b>	<b>List of Authorized recyclers of other other waste</b>				
<b>1</b>					
<b>2</b>					
	<b>Total</b>				
<b>B</b>	<b>List of Authorized Utilizers(under Rule 9) of other waste</b>				
<b>1</b>	CPS Steel India (P) Ltd.,	Iron and steel	<b>100000</b>	<b>0</b>	<b>0</b>
<b>2</b>	Gasha Steels Pvt Ltd,Nida	Iron and steel	<b>100000</b>	<b>0</b>	<b>107760.69</b>
<b>3</b>	Mannarkad Steels Pvt Ltd.	Iron and steel	<b>100000</b>	<b>0</b>	<b>0</b>
<b>4</b>	MPS Steel P Ltd,Nida	Iron and steel	<b>100000</b>	<b>0</b>	<b>0</b>
<b>5</b>	Beepath Castings (P) Ltd.	Iron and steel	<b>100000</b>	<b>0</b>	<b>9296.593</b>
<b>6</b>	Kairali Steels & Alloys,	Iron and steel	<b>100000</b>	<b>0</b>	<b>0</b>
<b>7</b>	Minar Alloys And Forigns Pvt L	Iron and steel	<b>100000</b>	<b>0</b>	<b>0</b>
<b>8</b>	Bhoopathi Steels (P) Ltd.,	Iron and steel	<b>100000</b>	<b>1393.535</b>	<b>3029.591</b>
<b>9</b>	CHIRAKKAL STEELS PVT LTD	Iron and steel	<b>100000</b>	<b>400</b>	<b>0</b>
<b>10</b>	M/s. Paragon Steels (P) Ltd.,	Iron and steel	<b>100000</b>	<b>0</b>	<b>0</b>
<b>11</b>	Manjallur.	Iron and steel	<b>100000</b>	<b>0</b>	<b>0</b>
<b>12</b>	Thieh Ingots Pvt.Ltd	Iron and steel	<b>100000</b>	<b>0</b>	<b>0</b>
<b>13</b>	World Wide Iron And Steel	Iron and steel	<b>100000</b>	<b>0</b>	<b>0</b>
<b>14</b>	Yessem Steel Productions	Iron and steel	<b>100000</b>	<b>0</b>	<b>0</b>
<b>15</b>	South Malabar Steels & Alloys	Iron and steel	<b>100000</b>	<b>0</b>	<b>0</b>
<b>16</b>	Vanchinad Forgings Pvt. Ltd.,	Iron and steel	<b>100000</b>	<b>207</b>	<b>3608</b>
<b>17</b>	Kuttippulan Iron & Steel Co.	Iron and steel	<b>100000</b>	<b>0</b>	<b>0</b>
<b>18</b>	AP STEEL REROLLING MILL	Iron and steel	<b>100000</b>	<b>20</b>	<b>200</b>
<b>19</b>	KUNNATH PAPER MILL		<b>10000</b>	<b>270.516</b>	<b>8442.6375</b>
	<b>Total</b>		<b>1810000</b>	<b>2291.051</b>	<b>132337.5115</b>
<b>C</b>	<b>List of Authorized Utilizers(under captive utilization) of other waste</b>				
<b>1</b>					
<b>2</b>					
	<b>Total</b>				
<b>D</b>	<b>List of Authorized Pre-processors of other waste</b>				
<b>1</b>					
<b>2</b>					
	<b>Total</b>				
<b>E</b>	<b>List of Authorized Co-processors of other waste</b>				
<b>1</b>					
<b>2</b>					
	<b>Total</b>				

D1 A Details on disposal of Hazardous Waste in Common TSDF(s)																
Name of SPCB: Kerala PCB											Year:2021-22					
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 Stocks at the end of the year(MT)		Cumulative HW disposed by the end of financial year(MT)		Capacity			Design life of SLF(in years)
			Landfillable	Incinerable	For Landfillable	For incineration	For Landfillable	Quantity Incinerated	Landfillable	Incinerable	SLF	Incinerator	Incinerator (T/H)	Incinerator (Kcal)	Landfillable (MT/A)	
		92	93	94	95	96	97	98	99	100	101	102	103	104	105	106
1	Trivandrum	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
2	Kollam	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
3	Alappuzha	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
4	Pathanamthitta	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
5	Kottayam	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
6	Idukki	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
7	Ernakulam	Kerala Enviro Infrastruct	2235.63	NIL	45477.625	NIL	23157.315	NIL	24555.94	NIL	541353.42	NIL	NIL	NIL	50000	20
8	Thrissur	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
9	Palakkad	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
10	Malappura	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
11	Kozhikode	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
12	Wayanad	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
13	Kannur	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
14	Kasaragod	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
	Total		2235.63	NIL	45477.625	NIL	23157.315	NIL	24555.94	NIL	541353.42	NIL	NIL	NIL	50000	20
*Including wastes received from other State/UT																





D2 Details on Captive TSDf (S)								
Name of SPCB : Kerala PCB			Year:2021-22					
S. No	Name and Address of Captive facility	Type of facility (landfill/landfill)	Capacity		HW disposed during		Cumulative HW	
			Incinerator (MT/H)	Landfill (MT/A)	SLF	Incinerator	SLF	Incinerator
	118	119	120	121	122	123	124	125
1	The Kerala Minerals and Metals Ltd., Chavara, Kollam	SLF	Nil	20000	14173.34	Nil	97526.21	Nil

