

MIZORAM STATE POLLUTION CONTROL BOARD



No.H.88088/Poltn/4/18-MPCB/205-217

Dated Aizawl, the 30th October 2019.

To.

Shri Abhey S.Soni,

Additional Director & Head.

Waste Management-II Division,

Central Pollution Control Board.

Parivesh Bhawan, East Arjun Nagar, Shahdara,

Delhi-110032.

Subject.

Gaps/Issued in Annual Inventory on Hazardous Waste for the year 2018-2019 reg

Reference:

Y/L F.No.B-29016/G-87/19/WM-II Div./7807 dt.15.10.2019

Sir.

With reference to subject and your letter No. cited above, may I submit herewith revised Annual Inventory Report on Hazardous Waste for the year 2018–2019 with respect to data gaps for favour of information and necessary action.

Replies to Sl No.1-4 of data gaps is enclosed at Annexure-I. As for Sl No. 5 regarding random verification of industries, 10 units out of 14 Authorized units were inspected for cross verification. List of the verified industries is enclosed at Annexure-II

Yours faithfully

Enclo: As above.

(C. LALDUHAWMA)

Member Secretary

Mizoram State Pollution Control Board

Memo No. H.88088/Poltn/4/18-MPCB/

Dated Aizawl, the 30th October 2019

Copy to The Regional Director, Regional Directorate, CPCB, North East, 'Tumsir', Lower

Motinagar, Near Fire Brigade Headquarters, Shillong-793014 for information.

(C. LALDUHAWMA)

Member Secretary

Mizoram State Pollution Control Board

4/6

Submission Of Annual Inventory on Hazardous Wastes Management

Name of SPCB/PCC: Mizoram State Pollution Control Board

A1 Details on Hazardous Wastes Generation

SI no	Name of the District	ting		from obtaining	annual returns	Hazar	- •			Total Qnty.	•				Total Qnty	Details on import and export o Hazardous Wastes (Metric Tonne)			rt of
		Industr y		Authoriza tion		Landfillable	Incinerable	Recycleable	Utilizable		Landfillable	Incinerable	Recyclable	Utilizable		Quantity of HW imported during the year (MT)	Type of HW	Qnty of HW exported during the year (MT)	Type of HW
					1	2	3	4	5		6	7	8	9		10	11	12	13
1	Aizawl District	37	14	Nil	14	0.001		0.031		0.032	0.0009		0.009	0.0103	0.0202	Nil	N/A	Nil	N/A

Year: 2018-2019

Note:

- 1. The only source of hazardous wastes in the state is mostly used oil generated by automobiles repairing workshop and the quantity of which is less and mostly recyclable.
- 2. Total number HW generating units during April 2018 to March 2019 was 37 no's which rises to 41 in no's as on August 2019.
- 3. Number of units exempted is Nil. Before the Hazardous and Other Wastes (Management and Transboundary Movement) Amendment Rules, 2019 was notified in 1.03.2019, units discharching hzardous wastes, but not requiring consent were also authorized (eg D G set less than 1 MVA)

Sl No	Hazardous Waste		ived from other State/UT IT)	Hazardous Wastes sent to other State/UT				
		Name of State/UT from which waste received	Quantity received(MT)	Name of State/UT where waste sent	Quantity sent(MT)			
		14	15	16	17			
1	For disposal at common secured landfill	Not Available	Nil	Not Available	Nil			
2	For disposal at common incinerator	Not Available	Nil	Not Available	Nil			
3	For recycling by schedule-IV recyclers	Not Available	Nil	Not Available	Nil			
4	For utilization in co-processing (cement plants)	Not Available	Nil	Not Available	Nil			
5	For utilization under Rule 9 (other than coprocessing)	Not Available	Nil	Not Available	Nil			

					A3: Details	s on Hazardo	us Wastes Ro	ecycled and Utilized			
Sl No.	Name of the		Recycling/U	Itilization of F	Iazardous v	vaste (genera	ted within th	e State/UT)	•	ng/Utilization of H ceived from other	
		Quantity o Recyc (listed under IV Hazardo (MT	led · schedule us waste)	Co-processing in Cement plant		Quantity Utilized (MT) Non-captive utilization based on CPCBs SOPs		Captive utilization of hazardous and other wastes for	Quantity of Waste Recycled (listed under schedule	Co- processing in Cement plant	tilized (MT) Non- captive utilization based on CPCBs
		(MT) Generated import within the state 18 19		Generated within the state	imported	Generated within the state	imported	which SOP has not been prepared by CPCB	IV Hazardous waste) (MT)		SOPs
		18	19	20	21	22	23	24	25	26	27
1	Aizawl District	Nil	Nil	Nil	Nil	Nil	Nil	0.0103 (Used oil generated by Automobiles repairing units were collected immediately by owner of the furniture workshop for use as lubricants in their machines)	Nil	Nil	Nil
	Total							0.0103			

	A4: Details on Hazardous Wastes disposed												
Sl	Name of the District	Disposed of	Hazardous	waste (generated within t	he State/UT)	Disposed of Hazardou	ıs waste						
No.		Quantity disposed in S	Secured	Quantity disp	oosed through	Quantity disposed in common (M)							
		Landfill		incinera	tor (MT)	· -	` ,						
		Common	Captive	Common	Captive	SLF	Incinerator						
		28	29	30	31	32	33						
1	Aizawl District	Nil	Nil	Nil	Nil	Nil	Nil						
	Total												

	A5: Details on Hazardous Wastes Stored at Occupier Premises													
Sl	Name of the District	Tota	al quantity of HW Stor	ed at Occupier Premis	ses at	Total quantit	y of HW Stored at Oc	cupier during	the					
No.		the	beginning of the finance	cial year i.e 1st April (MT)	financial year i.e 1st April to 31st March								
				(MT)										
		Landfillable	Incinerable	Recyclable	Utilizable	Landfillable	Incinerable	Recyclable	Utilizable					
		34	35	36	37	38	39	40	41					
1	Aizawl District	Nil	Nil	0	Nil	Nil	Nil	0.009	Nil					
	Total 0.009													

			A6: Detai	ls on manag	gement of O	ther Waste	(Domestic	ally genera	ted and impo	rted)			
		Number of units authorised for recycling/utilization of Other Waste (MT)				Quantity of other waste	Quantity of other	other during the year April-		_		Quantity of other waste stored at Occupiers premises (MT)	
SI No.	Name of the District	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 from other country (MT)	waste exported to other country	Imported	Domesticall	disposal to	generated during recycling/ utilization of other waste (MT)	at the beginning of the financial year	at the end of the financial year
		42	43	44	45	46	47	48	49	50	51	52	53
	Aizawl	N/A	N/A										
	District												
	Total												

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	Quanatity of domestic HW sent to common TSDF	•	of hazardous position centres (MT)
		for conection		during the year April- March (MT) Common 13DF during the year April- March (M		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	Aizawl District	N/A	-	-	-	-	-
	Total	-	-	-	-	-	-

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

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

Sl. No	Name of the District	of collection capacity (MT) centres authorized		received at	Quantity of waste sent to common TSDF during the		stored at collection centres (MT)
		for collection		during the year April-March (MT)	year April- March (MT)	at Occupier premises at the beginning of the financial year i.e. 1st April	at Occupier premises at the end of financial year i.e. 31st March
		60	61	62	63	64	65
1	Aizawl District	N/A	-	-	-	-	-
	Total	-	-	-	-	-	-

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

A8 Details of waste collectors

Sl. No	Name of the District	Name and Address of waste collectors	Authorized capacity (MT)	collection cen	Quantity of waste received at collection centres during the year April-March (MT)		ty of waste ommon TSDF g financial	at beginni financial ye	of waste stored ing of the year ear 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
				68	69	70	71	72	73	74	75
1	Aizawl District	Nil	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Total	-	-	-	-	-	-	-	-	-	-

$\begin{tabular}{ll} \bf B & Annual \ Inventory \ on \ Recycling/\ Utilization? Pre-processing/\ Co-Processing \ of \ Hazardous \ and \end{tabular}$

Name of SPCB/PCC: Mizoram state Pollution Control Board Year: 2018-2019

CI	Terms of manualing Eachlities	•	Total	On and the
Sl.	Type of recycling Facilities	No of Facilities	Total	Quantity
No		authorized for	Authorized	Recycled/
		recycling/utilization	Capacity	Recycled/
		Pre-	(MTA	Utilized/
		processing/Co-		Pre-
		processing of HW		processed/Co
		(MT)		-
				processed
		76	77	78
A	Commoml	y Recyclable HW		
1	Brass Dross	Nil	N/A	N/A
2	Zinc Bearing Wastes	Nil	N/A	N/A
3	Copper Bearing Waste	Nil	N/A	N/A
	•			
	Spent catalyst containing nickle, cadmium,			
4	Zinc, copper, arsenic, vanadium and cobalt	Nil	N/A	N/A
5	Lead bearing waste including battery waste	Nil	N/A	N/A
6	E-waste	Nil	N/A	N/A
7	Paint and ink Sludge/Residues	Nil	N/A	N/A
8	Used Oil	Nil	N/A	N/A
9	Waste Oil	Nil	N/A	N/A
	Total	1111	1771	14/11
В		ion based on CPCBs S	SOPs	1
1	Recovery of solvents from spent solvents	lon based on C1 CDs 5	013	
1	Utilization of APCB Dust/ Residue generated			
	from LD Furnace/ EAF/ Blast furnace for			
	producing cold briquettes for use in Blast			
	* *			
2	Furnace for production of	Nil	N/A	N/A
	Pig Iron Utilization of Spent Catalyst- to recover-	INII	1N/A	IN/A
	*			
	Platinum, Iridium, Osmium, Palladium,			
3	Rhodium, Ruthium, Rhenium, Gold & Silver	Nil	N/A	N/A
	Utilization of Spent H2SO4 generated from			
	Pickling operations for manufacturing			
	Ferrous Sulphate			
4		NII	N/A	N/A
	Total			
С	Captive utilization of Hazardous and other wa	astes for which SOP has	not been prepar	ed by CPCB
	Used Oil generated by Automobiles repairing			
	units Automobiles repairing units were			
	collected immediately by owner of the			
	furniture workshop for use as lubricants in			
1	their machines	NII	N/A	0.0103
	Total			0.0103
D		azardous and other wa	astes	
1	Nil	The state of the s		
	Total			
E		g in Cements Plants		1
1	Nil	5 Comonto i mito		1
1	Total			
	10001	1		

C. List of Authorized Recyclers/ Utilizers/ Preprocessors/ Cp-processors of Hazardous Waste

Name of SPCB/PCC: Mizoram State Pollution Control Board Year: 2018-2019

SI	Name and Address of the	Type of Hazardous	Authorized	Quantity
No	Facility	Waste	Recycling/Utilization	Recycled/
		Authorized for	/ Co-Processing	Utilized /
	79	80	81	82
Α	List of	Authorized Recyclers of I	Hazardous Waste	
1	Nil			
	Total			
В	List of authorized U	Utilizers (Under Rule 9) o	f Hazardous and other w	astes
1	Nil			
	Total			
С	List of Authorized utilize	ers (under captive utilizat	tion) of hazardous and ot	her waste
		Used oil from Automobile	e	
1		reparing workshops		0.0103
	Total			0.0103
D	List of Authori	ized Pre processors of Haz	zardous and other wastes	
1	Nil			
	Total			
			_	
Е	List of Authori	zed Co-Processors of hjaz	zardous and other wastes	
1	Nil	-		
	Total			

Note: Used oil from Auto repairing workshops are being re-used as lubricants for machines like band saw etc in furniture workshops. The utilization issue was found out during cross verification conducted by MPCB.

As there is no SOPs developed for utilization of used oil as lubricants, no authorization is considered required under Rule 9 of the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016. Therefore Column 79 and Column 81 are left blank.

Name of SPCB/PCC: Mizoram State Pollution Control Board

Sl. No	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)		Cummulative HW disposed by the end of Financial year (MT)		Capacity		
		Landfillable	Incinerable	For Landfill	For Incineratio n	For Landfill	Quantity Incinerat ed	Landfillable	Incinerable	SLF	Incinerator	Incinerator (T/H)	Incinerat or (Kcal)	Landfill (MT/A)
	83	84	85	86	87	88	89	90	91	92	93	94	95	96
1	TSDF not yet available in mizoram	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

^{*}Including wastes received from other State/UT

Year: 2018 - 2019

Year: 2018 - 2019

D1-B

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

Name of SPCB/PCC: Mizoram State Pollution Control Board

Cummulative Name **Quantity** *Quantity Quantity Quantity Other waste disposed and in stock at the beginning of Other Waste in stock at the end of the Sl. No of Other Waste Capacity by the end of Financial Address of of the year (MT) Received (MT) Disposed (MT) year (MT) the TSDF year (MT) Quantity Quantity For Landfill Inciner-**Incinerator** For Landfillable Landfilled **Incinerat** Landfillable Incinerable SLF Incinerator Incine-Landfill able **(T/H)** (MT/A)ration directly ed 98 99 100 101 102 103 104 105 106 107 108 109 97 LODE not yet N/A available N/A in

Year: 2018 - 2019

Name of SPCB/PCC: Mizoram State Pollution Control Board

	Name and Address	Type of facilty	Capacit	y	HW disposed		Cummulative HW disposed till the	
Sl. No	of Captive facility	(landfillable/ Incinerable/both)	Incinerator (MT/H)	Landfill (MT/A)	SLF	Incinerator	SLF	Incinerator
	110	111	112	113	114	115	116	117
1	Captive Facility not yet Available in Mizoram	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Total							

Year: 2018 - 2019

Name of SPCB/PCC: Mizoram State Pollution Control Board

	Name and					Quantity of	Hazardous		Quantity of	waste stored (I	MT)
Sl. No	Address of	the TSDFs involved in disposal of estic hazardous Waste and ourescent and ther mercury N Quantity of Domestic HW received with was	of deposition and other center from mercury	Name and	Name and			Quantity of		Fluorescent and other	
	the TSDFs involved in disposal of domestic hazardous Waste and Flourescent and other mercury containing lamps			address of collection centre from where such	Domestic HW		at Occupier premises at the beginning of the financial year	i ai ine ena	at the beginning of the financial year	at the end of financial year	
	118	119	120	121	122	123	124	125	126	127	128
1.	TSDF not yet	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Available in Mizoram										
	Total	-	-	-	-	-	-	-	-	-	-

Annexure-II

List of industries verified during May, June & August 2019

Sl No	Name of the industries	Address
1.	M/s C.K Cars (Hyundai Servicing Centre)	Falkland, Aizawl, Mizoram
2.	M/s C.K Cars (Vespa Division)	Lunglei Road, Bawngkawn, Aizawl,Mizoram
3.	M/s Chhantea Motor Works	Kulikawn, Aizawl, Mizoram
4.	M/s Chhimbal Motor Works	Kulikawn, Aizawl, Mizoram
5.	M/s Mawia Two Wheeler Workshop	Dinthar-I, Aizawl, Mizoram
6.	M/s Varte Two Wheeler Workshop	Mission Vengthlang, Aizawl, Mizoram
7.	M/s Hot Wheels Motor Cycle	Khatla, Aizawl, Mizoram
8.	M/s Chawngthu Engineering Works	Saron Veng Aizawl, Mizoram
9.	M/s L.H Automobile Engineering Works	Kulikawn, Aizawl,Mizoram
10.	M/s Nela Engineering Works	Zemabawk, Aizawl, Mizoram