

MIZORAM STATE POLLUTION CONTROL BOARD

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

Dated Aizawl, the 17th December 2020.

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/Issues in Annual Inventory on Hazardous Waste Management for the

year 2019-2020 reg-

Reference: Y/L No. B.29016/G-87-23/19/WM-IIDiv./DK/ dt.21.10.2020

Sir,

With reference to the subject and your letter No. cited above, may I submit herewith clarification in data gaps observed in the annual inventory report 2019-2020 for favour of your kind information and further necessary action.

Revised inventory report is also enclosed at Annexure-I.

Yours faithfully

(C. LALDUHAWMA)

Member Secretary
Mizoram State Pollution Control Board

Submission of REVISED Annual Inventory on Hazardous Wastes Management

Name of SPCB/PCC: Mizoram State Pollution Control Board

A1 Details on Hazardous Wastes Generation

| Sl no | Name of | Total | No. of units | No. of | No of units | Au | thorize | d Quantity | of | Total | *Qua | ntity of | Hazardous | wastes | Total | Details on import and expor | | ort of | |
|-------|--------------------|----------|---------------|------------|-------------|--------------|-------------|-------------|------------|-------|--------------|-------------|--------------|------------|--------|---|------|---|----------|
| | the | No. Of | possessing | Units | submitted | Haza | ardous ' | Wastes (M | etric | Qnty. | ge | enerated | l as per ani | nual | Qnty | Hazardous Wastes | | | |
| | District | HW | Authorization | exempted | annual | | Te | onne) | | | returns | | | | | (Metric Tonne) | | | |
| | | Generat | | from | returns | | | | | | | | | | | | | | |
| | | ing | | obtaining | | | | | | | | | | | | | | | |
| | | Industry | | Authorizat | | | | | | | | | | | | Quantity | Type | Qnty of | Type |
| | | | | ion | | Landfillable | Incinerable | Recycleable | Utilizable | | Landfillable | Incinerable | Recyclable | Utilizable | | of HW imported during the year (MT) | of | HW exported during the year (MT) | of HW |
| | | | | | 1 | 2 | 3 | 4 | 5 | | 6 | 7 | 8 | 9 | | 10 | 11 | 12 | 13 |
| 1 | Aizawl District | 40 | 21 | 19 | 21 | 5.73 | | 23.68 | | 29.41 | 1.379 | | 18.995 | | 20.374 | Nil | N/A | Nil | N/A |

Year: 2019-2020

| Sl No | Hazardous Waste | | ived from other State/UT IT) | Hazardous Wastes sei | nt to other State/UT | |
|----------|---|--|---------------------------------|-----------------------------------|----------------------|--|
| | | Name of State/UT from which waste received | Quantity received(MT) | Name of State/UT where waste sent | e 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 co-processing) | Not Available | Nil | Not Available | Nil | |

| | | | | | A3: De | tails on Haza | rdous Wastes | Recycled and Utilized | | | |
|----------|----------------------|--|-----------|----------------------------------|-----------|---|----------------|---|---|---|--|
| Sl No | Name of the District | | Recycling | /Utilization of | Hazardous | waste (gener | ated within th | ne State/UT) | - | ycling/Utilization ((received from of | |
| | | Quantity of Waste Recycled (listed under schedule IV Hazardous waste) (MT) | | 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 | Quantity Co- processing in Cement plant | y Utilized (MT) Non- captive utilization based on CPCBs |
| | | Generated within the state | imported | 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 | Nil | Nil | Nil | Nil |
| | Total | | | | | | | | | | |

| | A4: Details on Hazardous Wastes disposed | | | | | | | | | | | | |
|----|--|----------------------|---------|----------------------------|----------------|----------------------------------|-------------|--|--|--|--|--|--|
| Sl | Name of the District | | | is waste (generated within | the State/UT) | Disposed of Hazardous waste | | | | | | | |
| No | | Quantity disposed in | Secured | Quantity di | sposed through | Quantity disposed in common (MT) | | | | | | | |
| | | Landfill | | inciner | rator (MT) | - , | , , | | | | | | |
| | | Common | Captive | Common | Captive | SLF | Incinerator | | | | | | |
| | | 28 | 29 | 30 | 31 | 32 | 33 | | | | | | |
| 1 | Aizawl District | Nil | 1.379 | Nil | Nil | Nil | Nil | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | Total | | | | | | | | | | | | |

| | | | A5: Details on | Hazardous Wastes Stored | at Occupier Premises | | | | | | | | | |
|-----------|----------------------|--------------|--|--|----------------------|--|-----|--------|-----|--|--|--|--|--|
| Sl No. | Name of the District | | | red at Occupier Premises a cial year i.e 1st April (MT) | | Total quantity of HW Stored at Occupier during the financial year i.e 1st April to 31st March (MT) | | | | | | | | |
| | | Landfillable | Landfillable Incinerable Recyclable Utilizable Landfillable Incinerable Recyclable | | | | | | | | | | | |
| | | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | | | | | |
| 1 | Aizawl District | 0.001 | Nil | 0.031 | Nil | 1.379 | Nil | 18.995 | Nil | | | | | |
| | Total | | | | | | | | | | | | | |

| | | | | A6: Details | on managen | ent of Other W | aste (Dome | stically gen | erated and imp | orted) | | | |
|-----------|----------------------------|--|---|---|---|--|---|---------------------------------------|--|--|--|---------------------|---|
| G | Name | Number of units authorised for recycling/utilization of Other Waste (MT) | | Authorized capacity (MT) | | Quantity of other waste | Quantity of other waste exported to other | Quantity (Schedul and D) ut during th | Quantity of other waste (Schedule III waste B and D) utilized/recycled during the year April- March (MT) | | Quantity of HW generated during | waste s Occupier | y of other stored at rs premises AT) |
| 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 | from other country (MT) (MT) Imported Dome gene | Domestically generated | to Common TSDF (MT) | recycling/ utilization of other waste (MT) | at the beginning of the financial year | at the end of the financial year | | |
| 1 | Aizawl | 42 N/A | 43 N/A | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 |
| | District | IN/A | IN/A | | | | | | | | | | |
| | 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 during the year | Quanatity of domestic HW sent to common TSDF during the year | Quantity of hazardous waste stored at deposition centres (MT) at the beginning of the financial year i.e. at the end of financial year i.e. | | | |
|--------|-------------------------|--|--------------------------|--|--|--|----|--|--|
| | | | | April- March (MT) | April- March (MT) | 1st April | | | |
| | | 54 | 55 | 56 | 57 | 58 | 59 | | |
| 1 | Aizawl District | N/A | - | - | - | - | - | | |
| | Total | - | 1 | - | - | - | - | | |

^{*}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 | Name and Address of collection centres authorized | Authorized capacity (MT) | Quantity of waste received at | sent to common | Quantity of hazardous waste stored at collection centres (MT | | | |
|--------|----------------------|---|--|---|--|--|---|--|--|
| | | for collection | | collection centres during the year April-March (MT) | TSDF during the 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 | Aizawl Municipal Corporation | 1200 MT | Nil | Nil | Nil | Nil | | |
| | | Guwahati | Not yet established the collection centres due to pandemic | Nil | Nil | Nil | Nil | | |
| | 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) | ncity | | Quanti sent to co | ty of waste Ommon TSDF g financial | at beginn 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 | |
| 1 | Aizawl District | 1 Ai1 Maniain-1 Camanatian | | 68 N:1 | 69 N:1 | 70 | 71 N:1 | 72 N:1 | 73 N:1 | 74 | 75 N:1 | |
| | Alzawi District | 1. Aizawl Municipal Corporation | 1200 MT | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | |
| | | 2. M/s Karo Sambhav | Not yet established | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | |
| | | 3. M/S Fabshop | - due to pandemic | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | |
| | 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: 2019-2020

| SI. 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/ Recycled/ Utilized/ Pre- processed/Co- processed (MT) during the year |
|-----------|---|---|--------------------------------|--|
| A | Common | nly Recyclable HW | // | 70 |
| 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 |
| 4 | Spent catalyst containing nickle, cadmium, 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 Total | Nil | N/A | N/A |
| В | | ation based on CPCBs | SODs | |
| 1 | Recovery of solvents from spent solvents | | 3013 | |
| | Utilization of APCB Dust/ Residue generated from LD Furnace/ EAF/ Blast furnace for producing cold briquettes for use in Blast Furnace for production of | | 27/1 | |
| 2 | Pig Iron | Nil | N/A | N/A |
| 3 | Utilization of Spent Catalyst- to recover- Platinum,Iridium,Osmium, Palladium, Rhodium, Ruthium, Rhenium, Gold & Silver | Nil | N/A | N/A |
| 4 | Utilization of Spent H2SO4 generated from Pickling operations for manufacturing Ferrous Sulphate | NII | N/A | N/A |
| | Total | | - :: - 2 | - :: |
| С | Captive utilization of Hazardous and other | | as not been prep | pared by CPCB |
| 1 | | NII | N/A | N/A |
| | Total | | | |
| D | Pre-processing of | hazardous and other v | vastes | <u></u> |
| 1 | Nil | | | |
| | Total | | | |
| E | | ing in Cements Plants | | |
| 1 | Nil | | | |
| | Total | | | |

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

Name of SPCB/PCC: Mizoram State Pollution Control Board Year: 2019-2020

| 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 |
| A | List of | Authorized Recyclers of 1 | Hazardous Waste | |
| 1 | Nil | | | |
| | Total | | | |
| В | List of authorized U | Utilizers (Under Rule 9) o | f Hazardous and other w | astes |
| 1 | Nil | | | |
| | Total | | | |
| C | List of Authorized utiliz | ers (under captive utiliza | tion) of hazardous and ot | ther waste |
| 1 | Nil | | | |
| | Total | | | |
| D | List of Author | ized Pre processors of Ha | zardous and other wastes | <u> </u> |
| 1 | Nil | | | |
| | Total | | | |
| | | | | |
| E | List of Author | ized Co-Processors of hjaz | zardous and other wastes | 3 |
| 1 | Nil | | | |
| | Total | | | |

Name of SPCB/PCC: Mizoram State Pollution Control Board

| Sl. No | Name and | 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) | | | | | |
|--------|--|---|-------------|--|-------------------------|---|-----------------------------|---|-------------|---|-------------|----------------------|---------------------------|--------------------|--|
| | O Address of the TSDF | 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: 2019 - 2020

D1-B

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

Name of SPCB/PCC: Mizoram State Pollution Control Board

Year: 2018 - 2019 Cummulative Name Quantity *Quantity Quantity Quantity Other waste disposed by and in stock at the beginning of Other Waste in stock at the end of the of Other Waste Capacity the end of Financial year Address of of the year (MT) Received (MT) Disposed (MT) year (MT) Sl. No the TSDF (MT) Quantity Quantity For Landfill Inciner-For Incinerator Landfillable Landfilled Incinerat Landfillable **SLF** Incinerator Incinerable Incine-Landfill (MT/A) able **(T/H)** directly ed ration 109 97 98 99 100 102 103 104 105 106 107 108 101 LODE not yet N/A N/A available N/A in

Year: 2019- 2020

Name of SPCB/PCC: Mizoram State Pollution Control Board

| Sl. No | Name and Address | Type of facilty | Capacit | y | HW d | lisposed | Cummulative HW disposed till the | | |
|--------|---|-------------------------------------|-----------------------|--------------------|------|-------------|----------------------------------|-------------|--|
| | 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: 2019 - 2020

Name of SPCB/PCC: Mizoram State Pollution Control Board

| | Name and | | of deposition | containing | centre from where such | Quantity of Hazardous | | Quantity of waste stored (MT) | | | |
|--------|---|--|---------------|------------|------------------------|-----------------------|---|--|-----|---|---------------------------------|
| Sl. No | Address of | Quantity of Domestic HW received | | | | | Fluorescent and other mercury containing lamps | Quantity of | | Fluorescent and other | |
| | the TSDFs involved in disposal of domestic hazardous Waste and Flourescent and other mercury containing lamps | | | | | Domestic HW | | at Occupier premises at the beginning of the financial year | | 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 Available in Mizoram | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Total | | | | | | | | | | | |