

# National Inventory on Hazardous Waste Generation and its Management (2017-2018)



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**CENTRAL POLLUTION CONTROL BOARD**

Ministry of Environment, Forest and Climate Change

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## 1. INTRODUCTION

Hazardous waste is primarily generated from industrial activities and is required to be managed in an environmentally safe manner. The management of the hazardous waste is regulated as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 (HOWM Rules, 2016), notified by Ministry of Environment, Forest and Climate Change, Govt. of India under the Environment (Protection) Act, 1986. The HOWM Rules, 2016, lays down provisions w.r.t generation, packaging, storage, transportation, recycling/reprocessing, utilization, treatment, disposal, etc. of hazardous waste and obtaining authorization from the concerned State Pollution Control Board (SPCB) / Pollution Control Committee (PCC) for the same.

The HOWM Rules, 2016, also lays down the responsibility of occupier of hazardous waste for their safe and environmentally sound management following the waste management hierarchy viz. prevention, minimization, reuse, recycle, recovery, utilization and lastly safe disposal. The recycling and utilization as resource or energy recovery of hazardous waste are preferential option over disposal of hazardous waste since it conserves resources and leads to reduction of carbon foot print. Utilization of hazardous waste by co-processing in cement Kiln has proven a sustainable option because there is a dual benefit in terms of utilizing the waste as supplementary fuel as well as alternative raw material. The HOWM Rules, 2016, has stipulated provisions about such utilization of hazardous waste as resource or energy recovery.

The HOWM Rules, 2016, stipulates provisions for maintaining records and filing annual returns pertaining to hazardous waste generation and their management. As per Rule 20(2) of the HOWM Rules, 2016, the occupier handling hazardous waste and operator of the disposal facility are required to submit the annual return (about hazardous wastes generation, storage, recycling, utilization, disposal, etc) in the prescribed Form to SPCB/PCC by 30<sup>th</sup> June of every financial year. Based on which, SPCBs/PCCs are required to prepare annual inventory of the waste generated, recycled, utilized, disposed, etc. for the respective State/UT and submit the same to CPCB by 30<sup>th</sup> September of every financial year in accordance with the provisions stipulated under Rule 20(3) of the HOWM Rules, 2016. And, as per Rule 20(4) of the HOWM Rules, 2016, CPCB is required to prepare consolidated report on management of hazardous wastes and submit the same to the Ministry of Environment, Forest and Climate Change before 30<sup>th</sup> December once in every year.

This national inventory report on hazardous waste generation and its management has accordingly been prepared based on annual inventory received from SPCBs/PCCs for the financial year April 2017 – March 2018.

The inventory report outlines state wise/district wise generation of hazardous waste (i.e landfillable, incinerable, recyclable and utilisable) their recycling, utilization, disposal and storage including details of hazardous waste imported and exported

from/to other parts of the country alongwith details on interstate movement of hazardous waste within the country; availability of recycling/utilization facilities and common/captive TSDFs

## 2. METHODOLOGY

### 2.1 FORMATS FOR REPORTING OF INVENTORY DATA

In order to comply with the provisions of HOWM Rules, 2016 and for preparation of National Inventory on Hazardous Waste generation and its management, CPCB prepared following 09 formats to obtain information from SPCBs/PCCs:

- a) **Format A1**-district-wise details on number of Hazardous Waste (HW) generating industries, quantity of landfillable, incinerable, recyclable and utilizable HW generated (both as per authorization and annual returns), quantity of HW imported and exported.
- b) **Format A2**-Inter-state movement of HW for incineration, landfilling, recycling, co-processing and utilization (other than co-processing).
- c) **Format A3**- district-wise quantity of HW recycled and utilized (includes co-processing; other than co-processing and captive utilization)- for both HW generated within state/UT and received from other state.
- d) **Format A4**- district-wise quantity of landfillable/ incinerable HW disposed in captive and common TSDF (for HW generated within state/UT and received from other state).
- e) **Format A5**- district-wise details on quantity of HW (landfillable, incinerable, recyclable and utilizable) stored at occupiers' premises at the beginning of the financial year (i.e. 01.04.2017) and at the end of financial year i.e. 31st March 2018.
- f) **Format B**- details on number of authorized recycler/utilizers/co-processors and their authorized capacity and quantity of HW recycled, utilized and co-processed.
- g) **Format C**- list of authorized recycler/utilizers/co-processors and their authorized capacity and quantity of HW recycled, utilized and co-processed.
- h) **Format D1**- details on the quantity of landfillable/incinerable hazardous wastes received, disposed and stored in common TSDFs.
- i) **Format D2**-details on the quantity of landfillable/incinerable hazardous wastes disposed in captive TSDFs.

Copy of the above formats are given at **Annexure-1**.

These formats were circulated to all SPCBs/PCCs vide letter dated 04/06/2018 for submitting information on or before 30<sup>th</sup> September 2018, so as to prepare national inventory on hazardous waste generation and its management. The matter was also pursued with SPCBs/PCCs for timely submission of annual inventory. However, except Mizoram PCB (who submitted within the stipulated time of 30<sup>st</sup> September, 2018), remaining SPCBs/PCCs have responded during October, 2018-January, 2019 whereas Daman & Diu and Nagar Haveli has submitted the annual inventory in July, 2019.

31 SPCBs/PCCs have submitted the annual inventory on hazardous waste generation and its management for the year 2017-18, however, 04 SPCB/PCCs (namely Andaman & Nicobar, Arunachal Pradesh, Lakshadweep and Manipur) have not submitted the annual inventory report.

## **2.2 EXAMINATION AND EVALUATION OF INFORMATION**

The annual inventory reports submitted by SPCBs/PCCs were examined by CPCB and following common gaps/issues have been observed in the annual inventories of the SPCBs/PCCs:

- a) Mismatch between the quantity of each type of hazardous waste (i.e. Landfillable/ Incinerable/Recyclable/ Utilizable) generated and its management in terms of disposal /recycled/utilized/co-processed and stored.
- b) The quantity of hazardous wastes generated (as reported in annual return), is more than authorized quantity and vice-versa by some of the SPCBs/PCCs.
- c) Mismatch in the quantity of interstate movement of hazardous waste for recycling/utilization either by sender or receiver SPCB/PCC.
- d) Difference between the quantities of hazardous waste sent for recycling/co-processing/ utilization (as reported in Format A3) with the quantity reported in Format B.

Similarly, mismatch between the quantity of landfillable/incinerable hazardous wastes sent for disposal in common/captive TSDFs (as reported in Format A4) with the quantity of hazardous wastes received at the common TSDF (in Format D1 and D2 respectively).

- e) Mismatch between the details on numbers of recycler/utilizers/co-processors, their authorized capacity and quantity recycled/utilized/co-processed by them as reported in Format B with details list of such each recycler/utilizers/co-processors provided in Format C.
- f) Reporting of quantity of hazardous waste in KL and numbers.
- g) Details on number & capacity of common and captive secured landfill facility and cumulative quantity disposed in the facilities have been not reported as per format D1 and D2.
- h) Reporting of same quantity of hazardous waste disposed in common and captive secured landfills.

The above common gaps were communicated to SPCBs/PCCs for verification of data and submission of revised annual inventory.

### **3. CONSTRAINS OF THE REPORT**

Out of 31 annual inventories received, 19 SPCBs/PCCs namely Andhra Pradesh, Assam, Bihar, Chandigarh, Chhattisgarh, Delhi, Goa, Gujarat, Himachal Pradesh, Maharashtra, Nagaland, Odisha, Sikkim, Tripura, Tamil Nadu, Uttar Pradesh, Uttarakhand, West Bengal and Puducherry have submitted the revised inventory report. DDD&NH has submitted the annual inventory in July, 2019, therefore, gaps/issues not communicated to them.

However, 11 SPCBs/PCCs namely Haryana, Jammu & Kashmir, Jharkhand, Karnataka, Kerala, Madhya Pradesh, Meghalaya, Mizoram, Punjab, Rajasthan and Telangana have not submitted the revised inventory report based on the gaps identified/communicated by CPCB.

Therefore, due to above anomalies/gaps as outlined in section 2.2 and non-submission of revised inventory from aforesaid SPCBs/PCCs, this national inventory report has following constraint:

- i. Hazardous waste generation and their management in Arunachal Pradesh has not been incorporated in this report as the annual inventory has not been submitted to CPCB. Further, for preparation of the annual inventory of 2017-18, the previous year inventory data (i.e. 2016-17) provided by Andaman & Nicobar, Lakshadweep and Manipur have been incorporated in this report.
- ii. Most of the SPCBs/PCCs have reported that not all the occupiers available in their State/UT have submitted the annual returns.
- iii. Reporting of individual quantity of hazardous waste (i.e. landfillable/incinerable/recyclable/ utilisable) stored at occupier's premises at the beginning and end of financial year has not been provided by Goa, Meghalaya, Mizoram, Nagaland and Uttar Pradesh.  
Further, generation and management of individual quantity of utilizable and recyclable hazardous waste at national level could not be addressed, as Gujarat PCB reported combined quantity of utilizable and recyclable hazardous waste.
- iv. State like Kerala, Meghalaya and Assam have not submitted details on interstate movement of hazardous waste for recycling/ utilization/ disposal, therefore the same has not been incorporated in this report.
- v. Verified data with regard to interstate movement of hazardous waste for recycling/utilization/disposal has not been provided by most of the SPCBs/PCCs which resulted into difficulty in reporting of data at national level including accounting of hazardous waste generation and its management.
- vi. Reporting of information in KL and numbers despite of follow-ups for uniform reporting. The same has been converted from KL to Metric Tonnes by multiplying with 01 (assuming specific gravity of used oil and waste oil equivalent to 01).

Further, numbers have been estimated into Metric Tonnes by multiplication factor of (100.05/1000). The said factor has been estimated assuming maximum and minimum weight of empty barrels as 200kg and 0.1kg and taking average of them followed by applying factor for conversion of kg into Metric Tonnes). The above multiplication factor has been considered based on discussion with SPCBs/PCCs during the workshop held on 06/03/2018 and has also been detailed in the annual inventory report on hazardous waste generation and its management for the year 2016-17

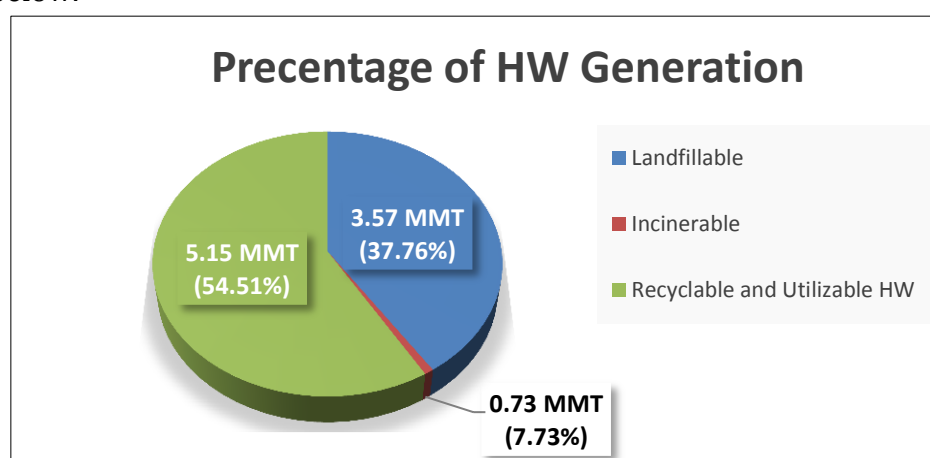
- vii. Details on import & export (i.e type/category of waste, importing/exporting country and product manufactured) and captive utilization of hazardous waste (w.r.t. source of generation, type/category of such HW, their utilization process details and product manufactured) have not been incorporated in this inventory report as the same were not sought through the aforesaid format. However, after examination of the annual inventories CPCB has requested SPCBs/PCCs to provide said details.

## 4. FINDINGS

### 4.1 STATUS ON HAZARDOUS WASTE GENERATION:

There are 66,914 numbers of hazardous waste generating industries, which are authorized to generate 38.41 Million MT of hazardous waste. Whereas, based on annual returns submitted by the occupiers about 9.44 Million MT of hazardous waste was generated during 2017-18.

Out of 9.44 Million MT quantity of generated hazardous waste, about 3.57 million MT is landfillable hazardous waste (37.76% of total generation); 0.73 Million MT is incinerable hazardous waste (7.73% of total generation) and 5.15 Million MT is recyclable and utilizable hazardous waste (54.51% of total generation) and the same is depicted in **Figure 1** below.



**Figure 1:** Percentage of Hazardous Waste Generated

The State/UT wise details on hazardous waste generation are given in **Table I**.

Top 11 hazardous waste generating states are Gujarat (46.07%), Rajasthan (8.07%), Odisha (6.84%), Andhra Pradesh (6.31%), Tamil Nadu (6.11%), Maharashtra (5.29%), Karnataka (3.34%), Jharkhand (2.67%), Madhya Pradesh (2.66%), Telangana (2.65%) and Uttar Pradesh (2.56%), which together contributes about 92.57% of total hazardous waste generated. State-wise status of hazardous waste generation is also presented in **Figure 2**.

The top landfillable hazardous waste generating States are Gujarat (45.16%), Rajasthan (16.68%), Maharashtra (8.25%), Jharkhand (5.17%), Tamil Nadu (5.13%), Andhra Pradesh (4.99%), Telangana (3.26%), Odisha (1.68%), Kerala (1.67%) and Uttar Pradesh (1.61%) which together contribute 93.60% quantity of landfillable hazardous waste generated.

Similarly, the top incinerable hazardous waste generating States are Gujarat (72.60%), Tamil Nadu (4.33%), Maharashtra (7.01%), Haryana (3.08%), Karnataka (2.95%), Goa (2.59%) and Uttar Pradesh (1.96%) that together contribute 94.52% quantity of incinerable hazardous waste generated.



Further, 90.20% of recyclable and utilizable quantities of hazardous waste generated in the country are contributed by States of Gujarat (42.94%), Odisha (11.38%), Andhra Pradesh (8.04%), Tamil Nadu (7.04%), Karnataka (5.00%), Madhya Pradesh (3.73%), Uttar Pradesh (3.31%), Rajasthan (3.23%), Maharashtra (2.99%) and Telangana (2.54%).

State-wise details on Hazardous waste Generation & its management as submitted by 31 SPCBs/PCCs is provided as **Annexure-2**.

**Table I: State-wise Status of Hazardous Waste Generation in the Country**

| SPCB/PCC                      | No. of Hazardous Wastes Generating Industries | Authorized Quantity of Hazardous waste (MT) |             |            |            |          | Quantity of Hazardous waste generated as per Annual Return within the state/UT (MT) |             |            |            |         |
|-------------------------------|---|---|-------------|------------|------------|----------|---|-------------|------------|------------|---------|
|                               |   | Landfillable                                | Incinerable | Recyclable | Utilizable | Total    | Landfillable  | Incinerable | Recyclable | Utilizable | Total   |
| Andaman and Nicobar Islands\$ | 0   | Not applicable                              |             |            |            |          |   |             |            |            |         |
| Andhra Pradesh                | 2503  | 575530                                      | 118158      | 431272     | 2032900    | 3157859  | 177791  | 4024        | 103212     | 310721     | 595749  |
| Arunachal Pradesh             | Annual Inventory not submitted                |   |             |            |            |          |   |             |            |            |         |
| Assam                         | 77  | 0   | 0           | 0          | 0          | 0        | 9965  | 0           | 6946       | 32132      | 49043   |
| Bihar                         | 152   | 45  | 207         | 1533       | 0          | 1784     | 42  | 131         | 953        | 1980       | 3106    |
| Chhattisgarh                  | 282   | 56566                                       | 23173       | 9766       | 162490     | 251995   | 11900   | 4645        | 3042       | 84274      | 103861  |
| Delhi                         | 301   | 5829  | 0           | 904        | 0          | 6733     | 4751  | 0           | 777        | 0          | 5528    |
| Gujarat                       | 20169   | 21703712                                    |             |            |            | 21703712 | 1610000   | 530000      | 2210000    |            | 4350000 |
| Goa                           | 1440  | 18237                                       | 47591       | 10156      |            | 75984    | 3046  | 18898       | 1565       | 2522       | 26031   |
| Haryana#                      | 4310  | 22834                                       | 27932       | 353667     | 3632       | 408066   | 13666   | 22476       | 33108      | 1707       | 70957   |
| H.P.                          | 3541  | 84299                                       | 0           | 9648       | 9892       | 103839   | 14538   | 0           | 6654       | 3263       | 24455   |
| J.& K.#                       | 227   | 190   | 392         | 3642       | 272        | 4496     | 190   | 392         | 3642       | 272        | 4496    |
| Jharkhand#                    | 556   | 185625                                      | 3485        | 31067      | 46089      | 266266   | 184428  | 2948        | 19730      | 45361      | 252467  |
| Karnataka#                    | 3302  | 68278                                       | 84003       | 350001     | 633132     | 1135414  | 36338   | 21551       | 66718      | 190845     | 315453  |
| Kerala#                       | 1222  | 59774                                       | 17          | 59130      | 0          | 118922   | 59637   | 17          | 55739      | 0          | 115394  |
| Lakshadweep\$                 | 0   | Not applicable                              |             |            |            |          |   |             |            |            |         |
| Madhya Pradesh#               | 2564  | 195602                                      | 25426       | 206728     | 1242384    | 1670140  | 52134   | 6912        | 70079      | 122109     | 251234  |
| Maharashtra                   | 6353  | 725444                                      | 353287      | 1091514    | 276429     | 2446674  | 294238  | 51198       | 108548     | 45148      | 499133  |
| Manipur\$                     | 255   | Information not provided by Manipur PCB     |             |            |            | 336.8    | Information not provided by Manipur PCB   |             |            |            |         |
| Meghalaya#                    | 14  | 517   |             |            |            | 517      | 459   |             |            |            | 459     |
| Mizoram#                      | 33  | 0   | 0           | 0          | 0          | 0        | 0   | 0           | 0          | 0          | 0       |

National Inventory Report on Hazardous Waste Generation and Its Management (2017-18)

| SPCB/PCC                | No. of Hazardous Wastes Generating Industries | Authorized Quantity of Hazardous waste (MT) |                    |                 |                 |                 | Quantity of Hazardous waste generated as per Annual Return within the state/UT (MT) |               |                 |                 |                |
|-------------------------|---|---|--------------------|-----------------|-----------------|-----------------|---|---------------|-----------------|-----------------|----------------|
|                         |   | Landfillable                                | Incinerable        | Recyclable      | Utilizable      | Total           | Landfillable  | Incinerable   | Recyclable      | Utilizable      | Total          |
| Nagaland                | 01  | 0   | 0                  | 10              | 0               | 10              | 0   | 0             | 10              | 0               | 10             |
| Odisha                  | 335   | 141358                                      | 1498               | 30715           | 800114          | 973685          | 60028   | 386           | 5419            | 580279          | 646112         |
| Punjab#                 | 3284  | 36397                                       | 10371              | 35715           | 126909          | 209391          | 27927   | 3505          | 27609           | 54327           | 113367         |
| Rajasthan#              | 1511  | 632281                                      | 467320             | 197880          | 2025548         | 3323029         | 594756  | 1259          | 40568           | 125443          | 762027         |
| Sikkim                  | 56  | 0   | 600                | 0               | 0               | 600             | 0   | 1051          | 0               | 0               | 1051           |
| Tripura                 | 171   | 5   | 4                  | 274             | 5               | 287             | 5   | 4             | 262             | 2               | 273            |
| Tamil Nadu              | 3750  | 243351                                      | 77040              | 426303          | 213830          | 960525          | 182741  | 31599         | 216450          | 145943          | 576733         |
| Telangana#              | 2642  | 207196                                      | 117427             | 137191          | 65499           | 527314          | 116217  | 3144          | 50323           | 80312           | 249996         |
| Uttar Pradesh           | 2366  | 71080                                       | 17889              | 74134           | 138705          | 301809          | 57284   | 14312         | 59307           | 110964          | 241867         |
| Uttarakhand             | 3699  | 16014                                       | 6569               | 24000           | 2867            | 49450           | 4502  | 3191          | 10936           | 2278            | 20907          |
| West Bengal             | 1044  | 53011                                       | 9959               | 48565           | 67117           | 178652          | 46886   | 6282          | 23779           | 49627           | 126573         |
| Daman & Diu, Dadra & NH | 362   | 1683.137                                    | 1469.242           | 8133.928        | 0               | 11286.31        | 1413.175  | 1663.433      | 979.7625        | 0               | 4056.371       |
| Puducherry              | 147   | 15  | 1591               | 13299           | 424167          | 439072          | 4   | 398           | 1567            | 24456           | 26425          |
| Chandigarh              | 245   | 25  | 2                  | 8713            | 0               | 8741            | 129   | 25            | 1962            | 0               | 2116           |
| <b>Total</b>            | <b>66914</b>                                  | <b>25104898*</b>                            | <b>1395406.52*</b> | <b>3645040*</b> | <b>8271981*</b> | <b>38417669</b> | <b>3565013</b>  | <b>730012</b> | <b>3132882*</b> | <b>2013965*</b> | <b>9441872</b> |

# SPCBs/PCCs have not provided revised inventory.

\* Value does not include individual quantity of landfillable/incinerable/utilisable/recyclable HW generated in the states of Gujarat and Meghalaya

\$ Data pertains to 2016-17, as inventory report of 2017-18 not provided by A & N Island, Lakshadweep and Manipur PCB.

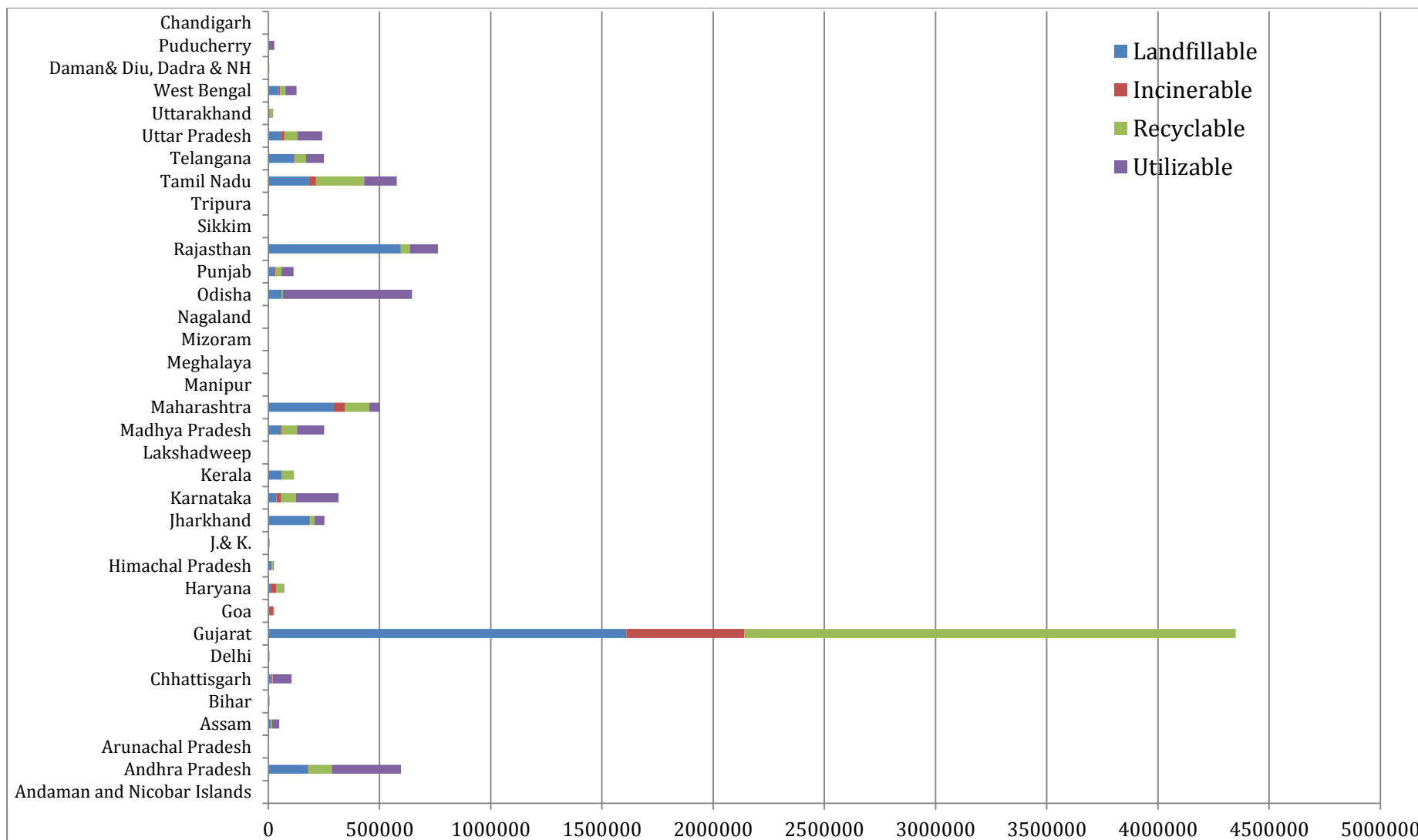
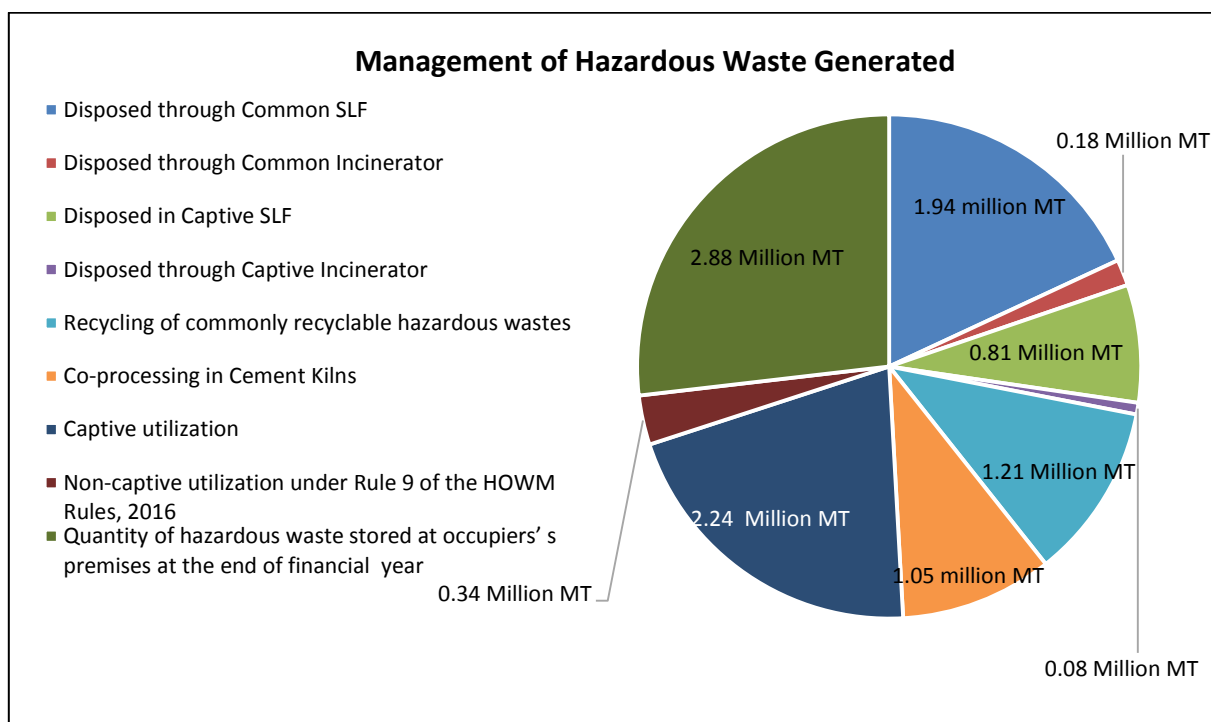


Figure 2: State-wise Status of Hazardous Waste Generation in the Country (MT)

Based on the annual inventories submitted by the SPCBs/PCCs, about 9.44 Million MT of hazardous waste has been generated during the year and 1.36 Million MT of hazardous waste was stored at occupiers' premises at the beginning of financial year (i.e 1<sup>st</sup> April, 2017), therefore net quantity of hazardous waste available for management during the year (i.e. 2017-18) is 10.8 Million MT.

Out of which about 3.01 Million MT of hazardous waste has been disposed through common and captive TSDFs, 4.84 Million MT has been recycled/utilized and about 2.88 million MT has been stored at occupier's premises at the end of financial year. The same has been given below and also illustrated in **Figure 3**:

|    |  |   |                                 |
|----|--|---|---------------------------------|
| 1. | Quantity of HW disposed  |   | <b>3.01 Million MT (27.87%)</b> |
|    | (i) Common SLF   | : | 1.94 Million MT                 |
|    | (ii) Common Incinerator  | : | 0.18 Million MT                 |
|    | (iii) Captive SLF  | : | 0.81 Million MT                 |
|    | (iv) Captive Incinerator   | : | 0.08 Million MT                 |
| 2. | Quantity of HW Recycled/ Utilized  |   | <b>4.84 Million MT (44.81%)</b> |
|    | (i) Recycling of commonly recyclable hazardous wastes (Schedule IV listed wastes under the HOWM Rules, 2016) | : | 1.21 Million MT                 |
|    | (ii) Co-processing in Cement Kilns   | : | 1.05 Million MT                 |
|    | (iii) Captive utilization  |   | 2.24 Million MT                 |
|    | (iv) Non-captive utilization (other than (ii) above) under Rule 9 of the HOWM Rules, 2016                    | : | 0.34 Million MT                 |
| 3. | Quantity of hazardous waste stored at occupiers' s premises at the end of financial year                     | : | <b>2.88 Million MT (26.66%)</b> |



**Figure 3: Management of Hazardous Waste Generated Within the Country during the year 2017-18**

#### 4.2 COMPARISON BETWEEN ANNUAL INVENTORY - 2016-17 AND 2017-18:

| S. No. | Status of Hazardous waste generation and its management  | 2016-17 (Million MT) | 2017-18 (Million MT) |
|--------|--|----------------------|----------------------|
| 1.     | Number of HW Generating units  | 56,350               | 66,914               |
| 2.     | Quantity of HW Generated   | 7.17                 | 9.44                 |
| 3.     | Quantity of HW disposed  | 2.84                 | 3.04                 |
|        | (i) Common SLF   | 1.68                 | 1.94                 |
|        | (ii) Common Incinerator  | 0.89                 | 0.18                 |
|        | (iii) Captive SLF  | 0.23                 | 0.81                 |
|        | (iii) Captive Incinerator  | 0.05                 | 0.08                 |
| 4.     | Quantity of HW Recycled/ Utilized  | 3.68                 | 4.84                 |
|        | (i) Recycling of commonly recyclable HW (Schedule IV listed wastes under the HOWM Rules, 2016) | 1.00                 | 1.21                 |
|        | (ii) Co-processing in Cement Kilns   | 0.55                 | 1.05                 |
|        | (iii) Captive utilization  | 1.66                 | 2.24                 |
|        | (iv) Non-captive utilization (other than Above) under Rule 9 of the HOWM Rules, 2016           | 0.47                 | 0.34                 |
| 5.     | Number of authorized recyclers   | 1733                 | 1949                 |
| 6.     | Number of authorized utilizers   | 224                  | 480                  |
| 7.     | Number of authorized co-processor (in cement plant)  | 65                   | 72                   |
| 8.     | Number of common TSDFs   | 42                   | 42                   |

The above comparison between the Annual Inventory Report of 2016-17 and 2017-18 reveals that:

1. There is increase of 10564 numbers of hazardous waste generating units (about 19%) as compared to the numbers of hazardous waste generating units reported in the 2016-17.
2. Simultaneously, there is increase of 2.27 Million MT (i.e. 32%) of hazardous waste generated from 7.17 million MT (2016-17) to 9.44 million MT (2017-18).
3. As per the Annual Inventory Report 2016-17, about 90 % of generated hazardous waste has been recycled/utilized/disposed, whereas, during 2017-18 about 83% of generated hazardous waste have been recycled/utilized/disposed and remaining hazardous waste is stored within the occupier's premises.
4. The number of authorized recyclers/utilizers/co-processor have increased from 2016-17 to 2017-18, however, number of common facilities remains the same.

#### 4.3 IMPORT AND EXPORT OF HAZARDOUS WASTE

The Ministry of Environment, Forest and Climate Change is the nodal Ministry to deal with the transboundary movement of the hazardous and other wastes in accordance to the provisions laid down under the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.

Hazardous and other waste specified in Part A and Part B of Schedule III of the HOWM Rules, 2016 are required to be imported or exported by actual users in accordance with the provisions laid down under HOWM Rules, 2016. Based on information provided by SPCBs/PCCs it was observed that only 10 States/UTs namely DD&DNH, Goa, Karnataka, Madhya Pradesh, Puducherry, Punjab, Rajasthan, Tamil Nadu, Telangana and West Bengal are involved in the Import and Export of Hazardous and Other waste. State-wise details on quantity of hazardous and other waste imported and exported are given in **Table II**.

Further, as outlined in section 3 of this report, CPCB also requested SPCBs/PCCs (which are involved in import and export) to provide the details on importing/exporting country, type/category of hazardous and other waste and product manufactured. However, the same have not been provided by SPCBs/PCCs.

**Table II: State-wise Status on Import and Export of Hazardous and Other Waste**

| S.No. | States/UTs                  | Quantity Imported | Quantity Exported |
|-------|-----------------------------|-------------------|-------------------|
| 1     | Andaman and Nicobar Islands | -                 | -                 |
| 2     | Andhra Pradesh              | 0                 | 0                 |
| 3     | Arunachal Pradesh           | -                 | -                 |
| 4     | Assam                       | 0                 | 0                 |
| 5     | Bihar                       | 0                 | 0                 |

| S.No. | States/UTs                        | Quantity Imported  | Quantity Exported |
|-------|-----------------------------------|--------------------|-------------------|
| 6     | Chhattisgarh                      | 0                  | 0                 |
| 7     | Delhi                             | 0                  | 0                 |
| 8     | Gujarat                           | 0                  | 0                 |
| 9     | Goa                               | 77739.384          | 0                 |
| 10    | Haryana#                          | 0                  | 0                 |
| 11    | H.P.                              | 0                  | 0                 |
| 12    | J.& K.#                           | 0                  | 0                 |
| 13    | Jharkhand#                        | 0                  | 0                 |
| 14    | Karnataka#                        | 532.465            | 50.385            |
| 15    | Kerala#                           | 0                  | 0                 |
| 16    | Lakshadweep                       | -                  | -                 |
| 17    | Madhya Pradesh#                   | 1179.18            | 798.5             |
| 18    | Maharashtra                       | 0                  | 0                 |
| 19    | Manipur                           | -                  | -                 |
| 20    | Meghalaya#                        | 0                  | 0                 |
| 21    | Mizoram#                          | 0                  | 0                 |
| 22    | Nagaland                          | 0                  | 0                 |
| 23    | Odisha                            | 0                  | 0                 |
| 24    | Punjab#                           | 7254.704           | 0                 |
| 25    | Rajasthan#                        | 257839.37          | 1284.73           |
| 26    | Sikkim                            | 0                  | 0                 |
| 27    | Tripura                           | 0                  | 0                 |
| 28    | Tamil Nadu                        | 32871.84           | 11                |
| 29    | Telangana#                        | 0                  | 3113.955          |
| 30    | Uttar Pradesh                     | 0                  | 0                 |
| 31    | Uttarakhand                       | 0                  | 0                 |
| 32    | West Bengal                       | 23385.4            | 0                 |
| 33    | Daman & Diu, Dadra & Nagar Haveli | 30894.3618         | 0                 |
| 34    | Puducherry                        | 50385.947          | 0                 |
| 35    | Chandigarh                        | 0                  | 0                 |
|       | <b>Total</b>                      | <b>482082.6518</b> | <b>5258.57</b>    |

# SPCBs/PCCs have not provided revised inventory.

#### 4.4 INTERSTATE MOVEMENT OF HAZARDOUS WASTE

About 0.83 Million MT of hazardous waste has been reported to either sent or received by the States/UTs for the purpose for recycling / utilisation/ disposal. Of the 0.83 Million MT, about 163.53 MT of hazardous waste has been sent to other state for disposal in common secured landfill; 9619.31 MT for incineration at common



incinerator; 0.15 Million MT for recycling; 0.59 Million MT for co-processing and 0.07 Million MT for utilization (other than co-processing).

Details of the interstate movement of landfillable and incinerable hazardous waste are given in **Table III** and recycling/utilisation is given at **Table IV**.

**Table III: Details of the interstate movement of landfillable and incinerable hazardous waste**

| S.No. | States/UTs                    | Quantity Of Hazardous Waste Received From Other States |             | Quantity Of Hazardous Waste Sent To Other States |             |
|-------|-------------------------------|--|-------------|--|-------------|
|       |                               | Landfillable   | Incinerable | Landfillable                                     | Incinerable |
| 1     | Andaman and Nicobar Islands\$ | Not applicable   |             |  |             |
| 2     | Andhra Pradesh                | 0  | 0           | 0  | 0           |
| 3     | Arunachal Pradesh             | Inventory Not Submitted                                |             |  |             |
| 4     | Assam                         |  |             |  |             |
| 5     | Bihar                         | 0  | 0           | 30.00  | 0           |
| 6     | Chhattisgarh                  | 0  | 0           | 0  | 0           |
| 7     | Delhi                         | 0  | 0           | 0  | 0           |
| 8     | Gujarat                       | 0  | 0           | 0  | 0           |
| 9     | Goa                           | 0  | 0           | 0  | 2,479.31    |
| 10    | Haryana#                      | 0  | 0           | 0  | 0           |
| 11    | H.P.                          | 0  | 0           | 0  | 0           |
| 12    | J.& K.#                       | 0  | 0           | 0  | 241.12      |
| 13    | Jharkhand#                    | 0  | 0           | 0  | 0           |
| 14    | Karnataka#                    | 0  | 0           | 0  | 0           |
| 15    | Kerala#                       | 0  | 0           | 0  | 0           |
| 16    | Lakshadweep\$                 | Not applicable   |             |  |             |
| 17    | Madhya Pradesh#               | 0  | 0           | 0  | 0           |
| 18    | Maharashtra                   | 0  | 2,624.92    | 0  | 0           |
| 19    | Manipur\$                     | Information not provided by Manipur PCB                |             |  |             |
| 20    | Meghalaya#                    | 0  | 0           | 0  | 0           |
| 21    | Mizoram#                      | 0  | 0           | 0  | 0           |
| 22    | Nagaland                      | 0  | 0           | 0  | 0           |
| 23    | Odisha                        | 0  | 0           | 0  | 19.90       |
| 24    | Punjab#                       | 0  | 0           | 0  | 0           |
| 25    | Rajasthan#                    | 0  | 0           | 0  | 3.5         |
| 26    | Sikkim                        | 0  | 0           | 0  | 1,050.83    |
| 27    | Tripura                       | 0  | 0           | 4.50   | 4.00        |
| 28    | Tamil Nadu                    | 0  | 0           | 0  | 0           |
| 29    | Telangana#                    | 0  | 0           | 0  | 0           |
| 30    | Uttar Pradesh                 | 0  | 1,781.64    | 0  | 3.50        |

| S.No. | States/UTs   | Quantity Of Hazardous Waste Received From Other States |                 | Quantity Of Hazardous Waste Sent To Other States |                 |
|-------|--------------|--|-----------------|--|-----------------|
|       |              | Landfillable   | Incinerable     | Landfillable                                     | Incinerable     |
| 31    | Uttarakhand  | 0  | 0               | 0  | 0               |
| 32    | West Bengal  | 0  | 1,050.85        | 0  | 0               |
| 33    | DDD & NH     | 0  | 0               | 0  |                 |
| 34    | Puducherry   | 0  | 0               | 0  | 335.00          |
| 35    | Chandigarh   | 0  | 0               | 129.03   | 24.73           |
|       | <b>Total</b> | <b>0</b>   | <b>5,457.41</b> | <b>163.53</b>                                    | <b>4,161.90</b> |

# SPCBs/PCCs have not provided revised inventory.

\$ Data pertains to 2016-17, as inventory report of 2017-18 not provided by A & N Island, Lakshadweep and Manipur PCB.

It was observed that states which are not having Common disposal facilities such as Bihar, Tripura and Chandigarh have sent their landfillable waste for disposal into common secured landfill of the other states. Similarly, the States of Goa, Jammu & Kashmir, Odisha, Sikkim, Tripura, UP, Puducherry and Chandigarh have sent their incinerable waste to other states for incineration through common incinerator.

The States of Maharashtra, Uttar Pradesh and West Bengal has reported about the receipt of incinerable hazardous waste from other states.

Therefore, above reveals that States not having TSDFs are predominately having sharing arrangements with the Common Incinerator compared to the Common Secured landfills of the neighbouring States.

**Table IV: State wise quantity of HW received from other state and sent to other state for recycling and utilization**

| S.No. | States/UTs                    | Quantity Of Hazardous Waste Received From Other States |                                  |                              | Quantity Of Hazardous Waste Sent To Other States |                                  |                              |
|-------|-------------------------------|--|----------------------------------|------------------------------|--|----------------------------------|------------------------------|
|       |                               | For recycling by Schedule IV recyclers                 | For utilization in co-processing | For utilization under Rule 9 | For recycling by Schedule IV recyclers           | For utilization in co-processing | For utilization under Rule 9 |
| 1     | Andaman and Nicobar Islands\$ | Not applicable   |                                  |                              |  |                                  |                              |
| 2     | Andhra Pradesh                | 49.79  | 51,153.64                        | 2658.447                     | 256.05   | 13,025.46                        | 134.44                       |
| 3     | Arunachal Pradesh             | Inventory Not Submitted                                |                                  |                              |  |                                  |                              |
| 4     | Assam                         | Format A2 Not Provided                                 |                                  |                              |  |                                  |                              |
| 5     | Bihar                         | 0.00   | 0.00                             | 0.00                         | 0.00   | 2,513.00                         | 0.00                         |
| 6     | Chhattisgarh                  | 2,564.22   | 14,363.72                        | 9683.91                      | 1,807.91   | 0.00                             | 0.00                         |
| 7     | Delhi                         | 0.00   | 0.00                             | 0.00                         | 0.00   | 0.00                             | 0.00                         |
| 8     | Gujarat                       | 0.00   | 0.00                             | 0.00                         | 0.00   | 1,73,437.00                      | 0.00                         |
| 9     | Goa                           | 0.00   | 0.00                             | 0.00                         | 913.95   | 1,240.64                         | 997.69                       |
| 10    | Haryana#                      | 3,078.30   | 0.00                             | 0.00                         | 0.00   | 22,644.50                        | 0.00                         |
| 11    | Himachal Pradesh              | 5,486.00   | 0.00                             | 0.00                         | 642.20   | 0.00                             | 0.00                         |
| 12    | J.& K.#                       | 40,287.37  | 0.00                             | 0.00                         | 1,929.42   | 26.46                            | 0.00                         |
| 13    | Jharkhand#                    | 0.00   | 0.00                             | 0.00                         | 0.00   | 0.00                             | 0.00                         |
| 14    | Karnataka#                    | 585.00   | 31,989.90                        | 0.00                         | 834.51   | 0.00                             | 0.00                         |
| 15    | Kerala#                       | 0.00   | 0.00                             | 0.00                         | 0.52   | 0.00                             | 0.00                         |
| 16    | Lakshadweep\$                 | Not applicable   |                                  |                              |  |                                  |                              |
| 17    | Madhya Pradesh#               | 11,419.74  | 0.00                             | 0.00                         | 2,477.50   | 0.00                             | 8,502.08                     |
| 18    | Maharashtra                   | 0.00   | 0.00                             | 0.00                         | 0.00   | 0.00                             | 0.00                         |

| S.No. | States/UTs    | Quantity Of Hazardous Waste Received From Other States |                                  |                              | Quantity Of Hazardous Waste Sent To Other States |                                  |                              |
|-------|---------------|--|----------------------------------|------------------------------|--|----------------------------------|------------------------------|
|       |               | For recycling by Schedule IV recyclers                 | For utilization in co-processing | For utilization under Rule 9 | For recycling by Schedule IV recyclers           | For utilization in co-processing | For utilization under Rule 9 |
| 19    | Manipur       | Information not provided                               |                                  |                              |  |                                  |                              |
| 20    | Meghalaya#    | Information Not Provided                               |                                  |                              |  |                                  |                              |
| 21    | Mizoram#      | 0.00   | 0.00                             | 0.00                         | 0.00   | 0.00                             | 0.00                         |
| 22    | Nagaland      | 0.00   | 0.00                             | 0.00                         | 10.00  | 0.00                             | 0.00                         |
| 23    | Odisha        | 1,354.08   | 0.00                             | 0.00                         | 2,204.68   | 39.98                            | 2813.47                      |
| 24    | Punjab#       | 12,345.27  | 0.00                             | 0.00                         | 0.00   | 304.88                           | 0.00                         |
| 25    | Rajasthan#    | 38,568.05  | 2,14,134.45                      | 5,136.86                     | 1,901.22   | 0.00                             | 0.00                         |
| 26    | Sikkim        | 0.00   | 0.00                             | 0.00                         | 0.00   | 0.00                             | 0.00                         |
| 27    | Tripura       | 0.00   | 0.00                             | 0.00                         | 261.66   | 0.00                             | 2.46                         |
| 28    | Tamil Nadu    | 1,570.76   | 1,997.48                         | 9,284.00                     | 0.00   | 0.00                             | 0.00                         |
| 29    | Telangana#    | 0.00   | 26,614.17                        | 0.00                         | 0.00   | 35,485.15                        | 0.00                         |
| 30    | Uttar Pradesh | 0.00   | 0.00                             | 0.00                         | 0.00   | 1,025.97                         | 0.00                         |
| 31    | Uttarakhand   | 0.00   | 0.00                             | 0.00                         | 563.70   | 0.00                             | 7,756.14                     |
| 32    | West Bengal   | 0.00   | 0.00                             | 0.00                         | 0.00   | 0.00                             | 0.00                         |
| 33    | DDD & NH      | 20,702.69  | 0.00                             | 8810.2599                    | 952.12   |                                  |                              |
| 34    | Puducherry    | 0.00   | 0.00                             | 144.00                       | 1,350.00   | 74.00                            | 16,035.50                    |
| 35    | Chandigarh    | 0.00   | 0.00                             | 0.00                         | 1,961.56   | 0.00                             | 0.00                         |
|       | <b>Total</b>  | <b>1,38,011.28</b>                                     | <b>3,40,253.36</b>               | <b>35,717.48</b>             | <b>17,114.87*</b>                                | <b>2,50769.15*</b>               | <b>36,241.78*</b>            |

\* Value does not include quantity of HW sent to other state by state Daman & Diu, Dadra & Nagar Haveli since individual quantity of landfillable/incinerable / recyclable/utilisable not reported.

# SPCBs/PCCs have not provided revised inventory. \$ Data pertains to 2016-17, as inventory report of 2017-18 not provided by A & N Island, Lakshadweep and Manipur PCB.

Above table reflects that of the 0.83 Million MT of hazardous waste (involved in interstate movement), about 71.38% is co-processed in cement plant followed by recycling i.e. 18.73% and utilization i.e. 8.69%.

The state specific details on interstate movement is also given in Annexure 2.

Further, as outlined in section 3 of the report, gaps in the quantity reported by either sender or receiver States has been observed which reveals that most of the SPCBs/PCCs have not verified the quantity of hazardous waste sent/received by them including reconciliation of manifest document by SPCBs/PCCs. Thus, in the absence of verified data with regard to interstate movement of hazardous waste for recycling/utilization/disposal, it is difficult to report the inventory accurately.

#### **4.5 RECYCLING AND UTILIZATION (INCLUDING CO-PROCESSING) OF HAZARDOUS WASTE:**

Hazardous waste generated need to be recycled or utilized in environmentally sound manner. The HOWM Rules, 2016, has stipulated provisions about utilization of hazardous waste as resource or energy recovery and emission standards for co-processing of wastes in Cement Kiln have been notified vide GSR 497 (E) dated 10.5.2016 under the Environment (Protection) Act, 1986. Central Pollution Control Board (CPCB) has published Guidelines for Pre-Processing and Co-Processing of Hazardous and Other Wastes in Cement Plant as per HOWM Rules, 2016. Further, CPCB has also prepared guidelines for environmentally sound recycling of commonly recyclable hazardous wastes such as Used Oil, Waste Oil, non-ferrous metals, etc. listed under Schedule IV of the under HOWM Rules, 2016. These Guidelines are available at CPCB website <http://cpcb.nic.in/technical-guidelines/>.

Besides these, CPCB has prepared 52 Standard Operating Procedures (SOPs) for utilization of 40 different categories of hazardous waste as a resource or energy recovery based on the trial run studies. The said SoPs were circulated to all SPCBs/PCCs for granting authorization after verification of minimal requisite facility. The details of these 52 SOPs are given at **Annexure-3** and the same are also available at CPCB website.

There are 1,949 authorized recyclers for recycling of hazardous waste, listed under Schedule IV of the HOWM Rules, 2016, having authorized capacity of 6.81 Million MT. During 2017-18, about 1.22 Million MT of hazardous waste has been recycled. State-wise details on numbers of authorized recycler's alongwith its capacity is given in **Table-V**.

Out of 1949 recyclers, 686 are lead bearing waste recyclers, 502 used & waste oil recyclers, 216 zinc bearing waste recyclers, 204 brass bearing waste recyclers, 155 E-waste recyclers, 125 copper bearing waste recyclers, 45 spent catalysts, 9 paint & ink sludge, etc. State-wise availability of such recyclers is illustrated in **Figure 4**.

There are 72 cement plants authorized for co-processing of hazardous wastes having authorized capacity of 10.12 Million MT and co-processed about 1.25 Million MT of hazardous waste during 2017-18. State-wise details on numbers of authorized co-processors and their capacity is provided in **Table-V**.

Gujarat, Rajasthan, Andhra Pradesh Tamil Nadu & Telangana together contributes more than 90% of total HW co-processed in cement plant and Gujarat leads with about 51.90%.

Apart from utilization of hazardous waste in cement plant, there are 480 authorized utilizer (utilising hazardous waste as per the SOPs prepared under Rule 9) having authorized capacity of 1.95 Million MT. State-wise details on numbers of authorized recyclers and their capacity is provided in **Table-V**.

During 2017-18, about 2.24 Million MT of hazardous waste has been utilized as captive utilization, out of which about 58% utilization of hazardous waste has been contributed by Gujarat, 10% by Andhra Pradesh, 8% by Karnataka and 5% by Madhya Pradesh. State-wise detail on quantity of hazardous waste recycled/co-processed/utilized including captive utilization is provided in **Table-VI**.

**Table V: Details on Recycling/ Utilization/Co-Processing of Hazardous Waste**

| S.No. | SPCB/PCC                      | Commonly Recyclable Hazardous Waste        |                           | Utilization of Hazardous Waste under Rule 9  |                           | Co-processing in Cement Plants                 |                           |
|-------|-------------------------------|--|---------------------------|--|---------------------------|--|---------------------------|
|       |                               | No. of Authorised facilities for recycling | Total Authorized Capacity | No. of Authorised Facilities for utilization | Total Authorized Capacity | No. of Authorised Facilities for co-processing | Total Authorized Capacity |
| 1     | Andaman and Nicobar Islands\$ | Not applicable                             |                           |  |                           |  |                           |
| 2     | Andhra Pradesh                | 66   | 440117.83                 | 117  | 4726.00                   | 8  | 862706.97                 |
| 3     | Arunachal Pradesh             | Annual Inventory not submitted             |                           |  |                           |  |                           |
| 4     | Assam                         | 12   | 41831.00                  |  |                           |  |                           |
| 5     | Bihar                         | 8  | 18940.00                  | 0  | 0.00                      | 0  | 0.00                      |
| 6     | Chhattisgarh                  | 34   | 63663.00                  | 35   | 223750.00                 | 5  | 287211.52                 |
| 7     | Delhi                         | Format B not provided                      |                           |  |                           |  |                           |
| 8     | Gujarat                       | 278  | 658666.00                 | 69   | 310061.00                 | 11   | 3888369.00                |
| 9     | Goa                           | 1  | 14580.00                  | 1  | 360.00                    | INP  | INP                       |
| 10    | Haryana#                      | 130  | 651577.50                 | 8  | 457070.00                 | 2  | Nil                       |
| 11    | H.P.                          | 14   | 90285.00                  | 16   | 4181.40                   | 2  | 1900.00                   |
| 12    | J.& K.#                       | 33   | 191430.70                 | 0  | 0.00                      | 0  | 0.00                      |
| 13    | Jharkhand#                    | 8  | 31048.60                  | 2  | 200.00                    | 1  | 23500.00                  |
| 14    | Karnataka#                    | 100  | 518023.05                 | 36   | 105073.77                 | 7  | 491208.71                 |
| 15    | Kerala#                       | 4  | 44275.00                  | 0  | 0.00                      | 0  | 0.00                      |

National Inventory Report on Hazardous Waste Generation and Its Management (2017-18)

| S.No. | SPCB/PCC                   | Commonly Recyclable Hazardous Waste              |                   | Utilization of Hazardous Waste under Rule 9 |                   | Co-processing in Cement Plants |                    |
|-------|----------------------------|--|-------------------|---|-------------------|--------------------------------|--------------------|
| 16    | Lakshadweep\$              | Not applicable                                   |                   |   |                   |                                |                    |
| 17    | Madhya Pradesh#            | 106  | 402615.00         | 19  | 159755.00         | 2                              | 645654.03          |
| 18    | Maharashtra                | 443  | 1183634.00        | 21  | 80433.60          | 0                              | 0.00               |
| 19    | Manipur\$                  | Information not provided                         |                   |   |                   |                                |                    |
| 20    | Meghalaya#                 | Submitted inventory not as per prescribed format |                   |   |                   |                                |                    |
| 21    | Mizoram#                   | 33   | 0.02              | 0   | 0.00              | 0                              | 0.00               |
| 22    | Nagaland                   | 1  | 10.00             | 0   | 0.00              | 0                              | 0.00               |
| 23    | Odisha                     | 17   | 54093.00          | 12  | 223026.00         | 0                              | 0.00               |
| 24    | Punjab#                    | 104  | 185475.32         | 16  | 120468.77         | 2                              | 300.20             |
| 25    | Rajasthan#                 | 127  | 628593.85         | 9   | 8236.00           | 12                             | 2577119.00         |
| 26    | Sikkim                     | 0  | 0.00              | 0   | 0.00              | 0                              | 0.00               |
| 27    | Tripura                    | 0  | 273.76            | 0   | 4.92              | 0                              | 0.00               |
| 28    | Tamil Nadu                 | 66   | 429493.72         | 20  | 50130.00          | 8                              | 403657.00          |
| 29    | Telangana#                 | 50   | 511567.40         | 59  | 118090.10         | 10                             | 940928.30          |
| 30    | Uttar Pradesh              | 180  | 151436.61         | 21  | 47084.32          | 1                              | 1000.00            |
| 31    | Uttarakhand                | 15   | 81430.00          | 3   | 15000.00          | 1                              | 1025.97            |
| 32    | West Bengal                | 103  | 365223.00         | 14  | 12366.52          | 0                              | 0.00               |
| 33    | Daman & Diu,<br>Dadra & NH | 13   | 46480.00          | 0   | 0.00              | 0                              | 0.00               |
| 34    | Puducherry                 | 3  | 8700.00           | 2   | 18100.00          | 0                              | 0.00               |
| 35    | Chandigarh                 | 0  | 0.00              | 0   | 0.00              | 0                              | 0.00               |
|       | <b>Total</b>               | <b>1949</b>                                      | <b>6813463.35</b> | <b>480</b>                                  | <b>1958117.40</b> | <b>72</b>                      | <b>10124580.70</b> |

\*Quantity provided in terms of number has been converted into MT by applying the factor 0.10005. (as discussed in the annual inventory report of 2016-17)

# SPCBs/PCCs have not provided revised inventory.

\$ Data pertains to 2016-17, as inventory report of 2017-18 not provided by A & N Island, Lakshadweep and Manipur PCB.



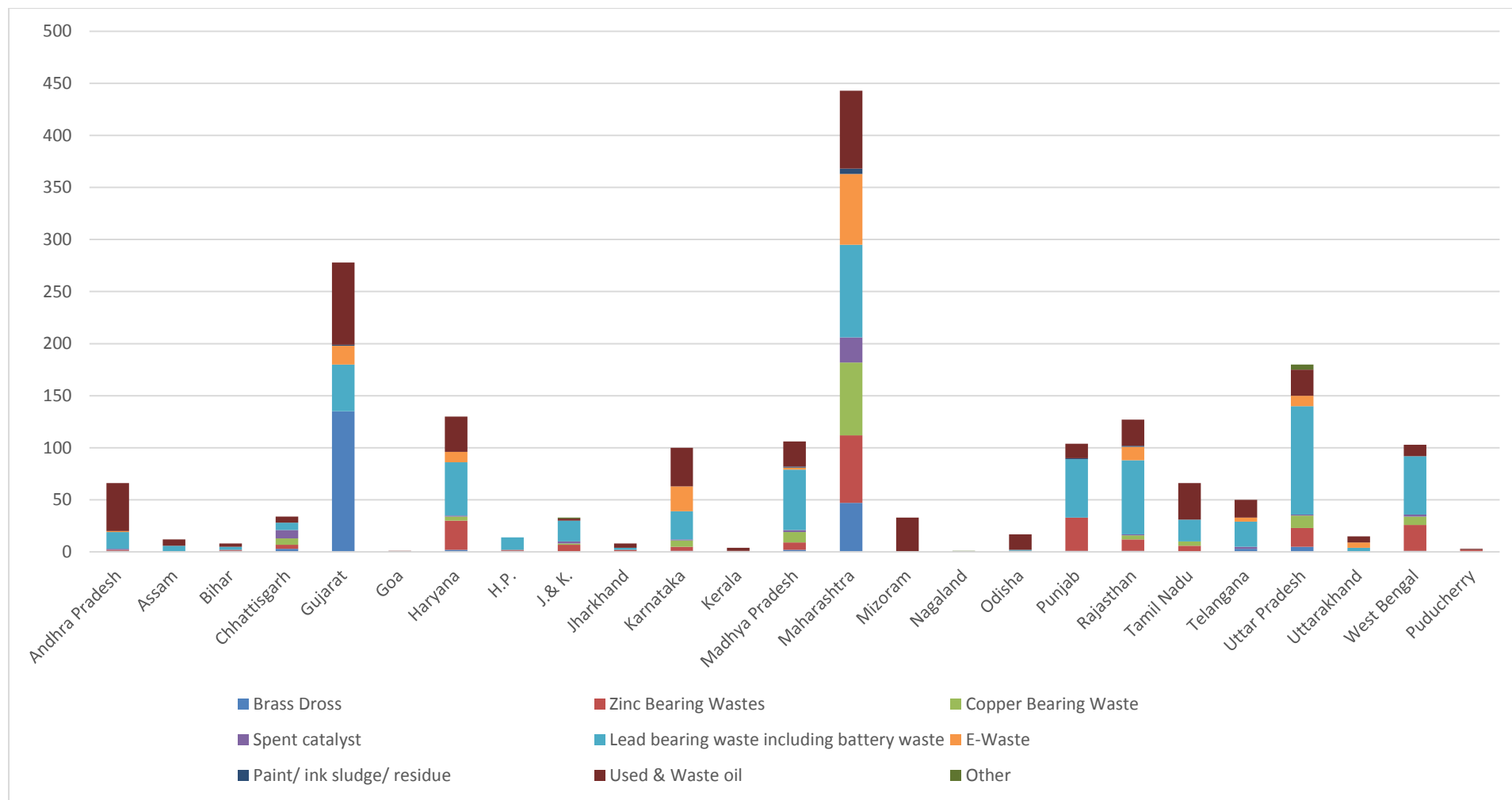


Figure 4: State-wise number of Schedules-IV Hazardous waste recyclers

**Table VI: State-wise Quantity of Hazardous Waste Recycled/Utilized/Co-processed**

| S.No.        | States/UTs                | Recycled(MT)   | Utilized under Rule9(MT) | Co-processed in Cement Kiln (MT) | Captive Utilization (MT) |
|--------------|---------------------------|----------------|--------------------------|----------------------------------|--------------------------|
| 1.           | Andaman & Nicobar Islands | -              | -                        | -                                | -                        |
| 2.           | Andhra Pradesh            | 101080         | 55823                    | 68750                            | 225350                   |
| 3.           | Arunachal Pradesh         | -              | -                        | -                                | -                        |
| 4.           | Assam                     | 3605           | 0                        | 0                                | 33602                    |
| 5.           | Bihar                     | 3552           | 0                        | 0                                | 0                        |
| 6.           | Chhattisgarh              | 4051           | 11692                    | 15640                            | 79367                    |
| 7.           | Delhi                     | 0              | 0                        | 0                                | 0                        |
| 8.           | Gujarat                   | 84914          | 77400                    | 477172                           | 1298135                  |
| 9.           | Goa                       | 651            | 243                      | 0                                | 41                       |
| 10.          | Haryana#                  | 36582          | 7                        | 1713                             | 0                        |
| 11.          | H.P.                      | 11486          | 1237                     | 1977                             | 0                        |
| 12.          | J.& K.#                   | 41800          | 0                        | 0                                | 178                      |
| 13.          | Jharkhand#                | 3893           | 0                        | 1230                             | 45354                    |
| 14.          | Karnataka#                | 56008          | 8803                     | 59092                            | 181957                   |
| 15.          | Kerala#                   | 55734          | 0                        | 0                                | 0                        |
| 16.          | Lakshadweep               | -              | -                        | -                                | -                        |
| 17.          | Madhya Pradesh#           | 75911          | 67143                    | 5527                             | 106360                   |
| 18.          | Maharashtra               | 301497         | 0                        | 0                                | 0                        |
| 19.          | Manipur                   | -              | -                        | -                                | -                        |
| 20.          | Meghalaya#                | 447            | 0                        | 0                                | 0                        |
| 21.          | Mizoram#                  | 0              | 0                        | 0                                | 0                        |
| 22.          | Nagaland                  | 10             | 0                        | 0                                | 0                        |
| 23.          | Odisha                    | 4364           | 0                        | 0                                | 62990.9                  |
| 24.          | Punjab#                   | 37317          | 32693                    | 289                              | 20219                    |
| 25.          | Rajasthan#                | 81055          | 2747                     | 277748                           | 58318                    |
| 26.          | Sikkim                    | 0              | 0                        | 0                                | 0                        |
| 27.          | Tripura                   | 0              | 0                        | 0                                | 0                        |
| 28.          | Tamil Nadu                | 124108         | 14142                    | 84579                            | 27712                    |
| 29.          | Telangana#                | 50183          | 14840                    | 56512                            | 0                        |
| 30.          | Uttar Pradesh             | 59307          | 47084                    | 1000                             | 62880                    |
| 31.          | Uttarakhand               | 10901          | 0                        | 693                              | 10                       |
| 32.          | West Bengal               | 53169          | 0                        | 0                                | 27087                    |
| 33.          | DDD & NH                  | 14803          | 0                        | 0                                | 11772                    |
| 34.          | Puducherry                | 121            | 7082                     | 0                                | 0                        |
| 35.          | Chandigarh                | 0              | 0                        | 0                                | 0                        |
| <b>Total</b> |                           | <b>1216547</b> | <b>340934</b>            | <b>1051921</b>                   | <b>2241337</b>           |

#### 4.6 DISPOSAL OF HAZARDOUS WASTE IN COMMON AND CAPTIVE TSDFs

The hazardous waste can be disposed at captive treatment facility installed by the individual waste generator or at Common Hazardous Waste Treatment, Storage and Disposal Facilities (TSDFs) where the group of the industries send their hazardous waste for disposal through either incinerator or secured land fill (SLF).

##### 4.6.1 Common TSDFs

There are 42 Common Hazardous Waste Treatment, Storage and Disposal Facilities (TSDFs) in 18 States/UT. Of which 18 are integrated TSDFs having both Secured Landfills and Incinerators; 10 have only common incinerators, and 14 have only Secured Landfills. Details of Available Common Integrated TSDFs with Common Incineration & Secured Landfill is given as **Annexure-4**. State/UT wise availability of common facility and quantity of hazardous waste disposed in same is given below in **Table VII**.

During 2017-18, about 1.93 Million MT of landfillable hazardous waste disposed in common secured landfill and 0.16 Million MT of hazardous waste disposed through common incineration.

**Table VII: Availability of Common Integrated Treatment, Storage & Disposal Facilities (TSDFs) with Common Incinerators & Secured Landfill**

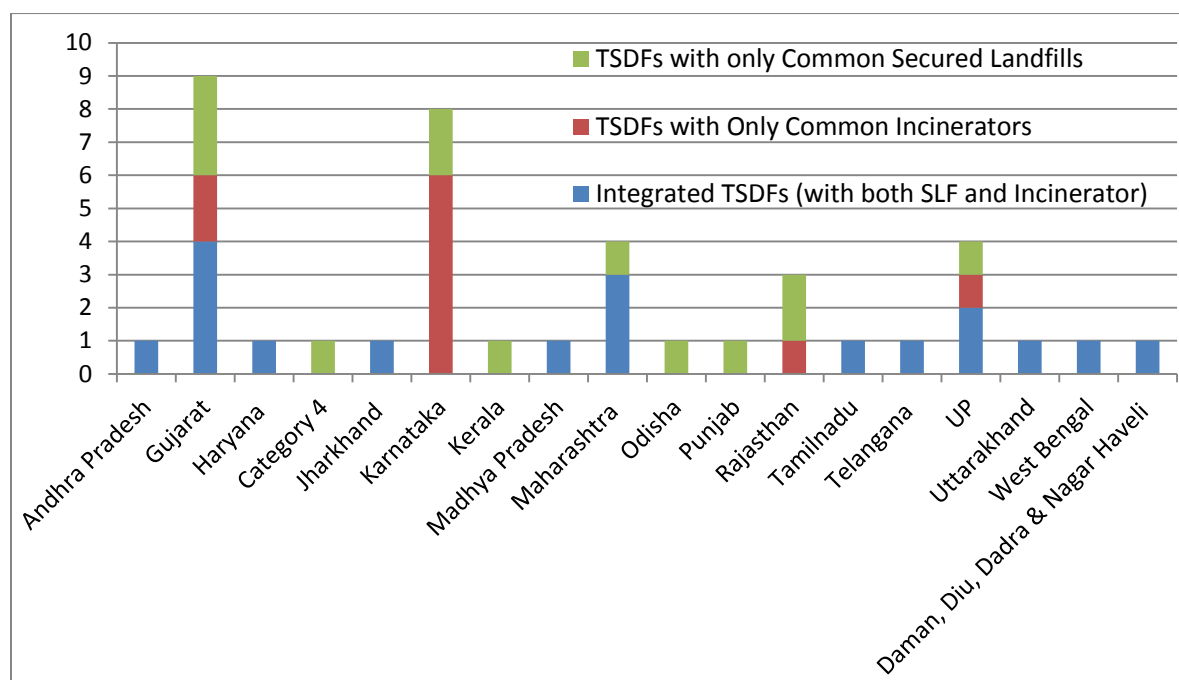
| S. No. | Name of the State/UT | Integrated TSDFs (with both SLF and Incinerator) | TSDFs with Only Common Incinerators | TSDFs with only Common Secured Landfills | Quantity disposed in SLF (MT) | Quantity disposed through Incinerator (MT) |
|--------|----------------------|--|-------------------------------------|--|-------------------------------|--|
| 1      | Andhra Pradesh       | 1  | -                                   | -  | 140647.33                     | 3982.1                                     |
| 2      | Gujarat              | 4  | 2                                   | 3  | 942299.07                     | 59983.72                                   |
| 3      | Haryana #            | 1  | -                                   | -  | 9635.38                       | 2742.907                                   |
| 4      | Himachal Pradesh     | -  | -                                   | 1  | 14578.847                     | -  |
| 5      | Jharkhand #          | 1  | -                                   | -  | 432.89                        | 0  |
| 6      | Karnataka#           | -  | 6                                   | 2  | 34310.25                      | 2513.697                                   |
| 7      | Kerala#              | -  | -                                   | 1  | 54968.18                      | -  |
| 8      | Madhya Pradesh#      | 1  | -                                   | -  | 32450.34                      | 3375.61503                                 |
| 9      | Maharashtra          | 3  | -                                   | 1  | 289936.02                     | 50912                                      |
| 10     | Odisha               | -  | -                                   | 1  | 52,563.77                     | -  |
| 11     | Punjab#              | -  | -                                   | 1  | 27,461.47                     | 1372.05*                                   |
| 12     | Rajasthan#           | -  | 1                                   | 2  | 43,953.39                     | 1067.20                                    |
| 13     | Tamilnadu            | 1  | -                                   | 1  | 59,345.00                     | 4368                                       |
| 14     | Telangana #          | 1  | -                                   | -  | 1,14,970.00                   | 3387                                       |

| S. No. | Name of the State/UT | Integrated TSDFs (with both SLF and Incinerator) | TSDFs with Only Common Incinerators | TSDFs with only Common Secured Landfills | Quantity disposed in SLF (MT) | Quantity disposed through Incinerator (MT) |
|--------|----------------------|--|-------------------------------------|--|-------------------------------|--|
| 15     | Uttar Pradesh        | 2  | 1                                   | 1  | 56,838.36                     | 11687.672                                  |
| 16     | Uttarakhand          | 1  | -                                   | -  | 5,037.09                      | 3222.92                                    |
| 17     | West Bengal          | 1  | -                                   | -  | 49,004.36                     | 10604.85                                   |
| 18     | DDD & NH             | 1  | -                                   | -  | 2,322.60                      | 1,125.83                                   |
|        | <b>TOTAL</b>         | <b>18</b>  | <b>10</b>                           | <b>14</b>                                | <b>19,30,754.34</b>           | <b>1,60,345.57</b>                         |

\*details not provided by Punjab PCB.

# SPCBs/PCCs have not provided revised inventory

State/UT wise availability of common TSDFs in the country is also depicted in **Figure 5**.



**Figure 5: Availability of Common Integrated Treatment, Storage & Disposal Facilities (TSDFs) with Common Incinerators & Secured Landfill**

#### 4.6.2 Captive TSDFs

There are 112 Captive Hazardous Waste Treatment, Storage and Disposal Facilities (TSDFs) in 19 States/UT. Of which, 07 have Integrated facilities (i.e. having both secured landfill and incinerator); 63 have only Captive Incinerators and 42 have only Captive Secured Landfills Hazardous Waste Treatment, Storage and Disposal Facilities (TSDFs) in the country.

State/UT wise details on number and quantity of hazardous waste disposed during 2017-18 is as given below in **Table VIII**. The state specific details on captive TSDFs is also given in Annexure 2.

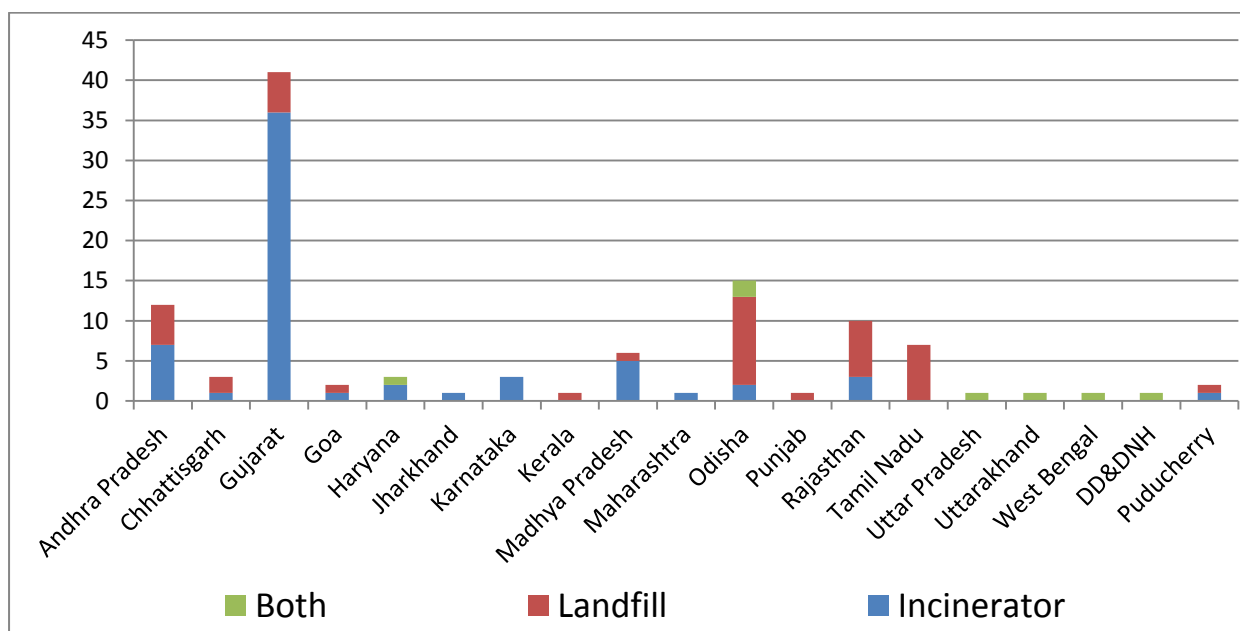
**Table VIII: State wise details of Captive Facilities and Quantity of Hazardous Waste disposed during the year.**

| S.No. | States/UTs                  | Numbers of Captive Facilities |                   |      | HW disposed during year (MT) |
|-------|-----------------------------|-------------------------------|-------------------|------|------------------------------|
|       |                             | Incinerators                  | Secured Landfills | Both |                              |
| 1     | Andaman and Nicobar Islands | -                             |                   |      |                              |
| 2     | Andhra Pradesh              | 7                             | 5                 | 0    | 29,080.79                    |
| 3     | Arunachal Pradesh           | -                             |                   |      |                              |
| 4     | Assam                       | 0                             | 0                 | 0    | 0.00                         |
| 5     | Bihar                       | 0                             | 0                 | 0    | 0.00                         |
| 6     | Chhattisgarh                | 1                             | 2                 | 0    | 10,029.30                    |
| 7     | Delhi                       | No captive facility available |                   |      |                              |
| 8     | Gujarat                     | 36                            | 5                 | 0    | 124876                       |
| 9     | Goa                         | 1                             | 1                 | 0    | 19,011.23                    |
| 10    | Haryana#                    | 2                             | 0                 | 1    | 244.13                       |
| 11    | H.P.                        | 0                             | 0                 | 0    | 0.00                         |
| 12    | J.& K.#                     | 0                             | 0                 | 0    | 0.00                         |
| 13    | Jharkhand#                  | 1                             | 0                 | 0    | 152                          |
| 14    | Karnataka#                  | 3                             | 0                 | 0    | 2,573.75                     |
| 15    | Kerala#                     | 0                             | 1                 | 0    | 18,750.00                    |
| 16    | Lakshadweep                 | -                             |                   |      |                              |
| 17    | Madhya Pradesh#             | 5                             | 1                 | 0    | 9,516.07                     |
| 18    | Maharashtra                 | 1                             | 0                 | 0    | 449.70                       |
| 19    | Manipur                     | -                             |                   |      |                              |
| 20    | Meghalaya#                  | -                             |                   |      |                              |
| 21    | Mizoram#                    | 0                             | 0                 | 0    | 0.00                         |
| 22    | Nagaland                    | 0                             | 0                 | 0    | 0.00                         |
| 23    | Odisha                      | 2                             | 11                | 2    | 2,027.13                     |
| 24    | Punjab#                     | 0                             | 1                 | 0    | 0.00                         |
| 25    | Rajasthan#                  | 3                             | 7                 | 0    | 5,32,713.88                  |
| 26    | Sikkim                      | 0                             | 0                 | 0    | 0.00                         |
| 27    | Tripura                     | 0                             | 0                 | 0    | 0.00                         |
| 28    | Tamil Nadu                  | 0                             | 7                 | 0    | 1,14,774.26                  |
| 29    | Telangana#                  | 0                             | 0                 | 0    | 0.00                         |
| 30    | Uttar Pradesh               | 0                             | 0                 | 1    | 3,169.35                     |
| 31    | Uttarakhand                 | 0                             | 0                 | 1    | 116.55                       |
| 32    | West Bengal                 | 0                             | 0                 | 1    | 49,004.36                    |
| 33    | DDD & NH                    | 0                             | 0                 | 1    | 3448.47                      |
| 34    | Puducherry                  | 1                             | 1                 | 0    | 52.25                        |

| S.No. | States/UTs   | Numbers of Captive Facilities |                   |          | HW disposed during year (MT) |
|-------|--------------|-------------------------------|-------------------|----------|------------------------------|
|       |              | Incinerators                  | Secured Landfills | Both     |                              |
| 35    | Chandigarh   | 0                             | 0                 | 0        | 0.00                         |
|       | <b>Total</b> | <b>63</b>                     | <b>42</b>         | <b>7</b> | <b>919989.48</b>             |

# SPCBs/PCCs have not provided revised inventory

State-wise availability of captive TSDFs is given in **Figure 6**.



**Figure 6: Captive facilities in the country for treatment of hazardous waste**

#### 4.7 STORAGE OF HAZARDOUS WASTE

About 1.36 Million MT of hazardous waste has been reported to be stored at occupier's premises at the beginning of financial year i.e. 1<sup>st</sup> April, 2017 and 2.88 Million MT at the end of financial year i.e. 31<sup>st</sup> March, 2018. State-wise quantity of hazardous stored at occupiers' premises is given at **Table IX**.

Goa, Uttar Pradesh and Maharashtra have not provided individual type of hazardous waste (landfillable/incinerable/recyclable/utilisable) stored at beginning and/or end of financial year. Thus, the individual quantity of landfillable/incinerable/recyclable/utilisable stored/managed could not be assessed.

**Table IX: State-wise quantity of hazardous stored at occupiers' premises**

| S.No | States/UTs                    | Total Quantity of HW stored at Occupier premises at the beginning of the financial year i.e. 01.04.2017 (MT) |             |            |            | Total Quantity of HW stored at Occupier premises during the financial year i.e. 1st April to 31st March 2018 (MT) |             |            |            |
|------|-------------------------------|--|-------------|------------|------------|---|-------------|------------|------------|
|      |                               | Landfillable   | Incinerable | Recyclable | Utilizable | Landfillable  | Incinerable | Recyclable | Utilizable |
|      | Andaman and Nicobar Islands\$ | Not applicable   |             |            |            |   |             |            |            |
|      | Andhra Pradesh                | 13412  | 4641        | 3282       | 5587       | 22716   | 4913        | 5207       | 7019       |
|      | Arunachal Pradesh             | Annual Inventory not submitted   |             |            |            |   |             |            |            |
|      | Assam                         | 0  | 0           | 23776      | 0          | 0   | 0           | 27171      | 0          |
|      | Bihar                         | 0  | 9           | 1482       | 227        | 12  | 270         | 77         | 7129       |
|      | Chhattisgarh                  | 796  | 6           | 195        | 333        | 499   | 6           | 246        | 952        |
|      | Delhi                         | 4751   | 0           | 777        | 0          | 5829  | 0           | 904        | 0          |
|      | Gujarat                       | 300000   | 180000      | 300000     |            | 640000  | 460000      | 850000     |            |
|      | Goa                           | 1320   |             |            |            | 307   | 361         | 9          | 156        |
|      | Haryana#                      | 3070   | 1430        | 11304      | 8          | 4976  | 9353        | 11808      | 2          |
|      | Himachal Pradesh              | 173  | 0           | 0          | 0          | 132   | 0           | 12         | 48         |
|      | J.& K.#                       | 588  | 1976        | 719        | 47         | 728   | 2122        | 918        | 57         |
|      | Jharkhand#                    | 24132  | 366         | 1530       | 9          | 20059   | 337         | 3009       | 7          |
|      | Karnataka#                    | 2266   | 3395        | 6539       | 6439       | 3138  | 4994        | 5511       | 5495       |
|      | Kerala#                       | 18250  | 0           | 0          | 0          | 18250   | 0           | 5          | 0          |
|      | Lakshadweep\$                 | Not applicable   |             |            |            |   |             |            |            |
|      | Madhya Pradesh#               | 19989  | 983         | 21902      | 269        | 1434  | 11209       | 97833      | 0          |
|      | Maharashtra                   | 0  | 0           | 0          | 0          | 15993   |             |            |            |
|      | Manipur\$                     | Information not provided   |             |            |            |   |             |            |            |
|      | Meghalaya#                    | 0  | 0           | 0          | 0          | 13  |             |            |            |
|      | Mizoram                       | 0  | 0           | 0          | 0          | 0   | 0           | 0          | 0          |
|      | Nagaland                      | 0  | 0           | 10         | 0          | 0   | 0           | 10         | 0          |

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| S.No | States/UTs                 | Total Quantity of HW stored at Occupier premises at the beginning of the financial year i.e. 01.04.2017 (MT) |               |                |                | Total Quantity of HW stored at Occupier premises during the financial year i.e. 1st April to 31st March 2018 (MT) |               |                |                |
|------|----------------------------|--|---------------|----------------|----------------|---|---------------|----------------|----------------|
|      |                            | Landfillable   | Incinerable   | Recyclable     | Utilizable     | Landfillable  | Incinerable   | Recyclable     | Utilizable     |
|      | Odisha                     | 6446   | 85            | 2048           | 93823          | 12298   | 92            | 2234           | 135765         |
|      | Punjab#                    | 12061  | 2152          | 13187          | 1041           | 12910   | 1737          | 15824          | 1863           |
|      | Rajasthan#                 | 3603   | 922           | 7169           | 4346           | 21809   | 1048          | 3349           | 10248          |
|      | Sikkim                     | 0  | 0             | 0              | 0              | 0   | 1051          | 0              | 0              |
|      | Tripura                    | 5  | 4             | 12             | 0              | 0   | 0             | 12             | 0              |
|      | Tamil Nadu                 | 117403   | 8156          | 30548          | 49429          | 129898  | 13252         | 124554         | 68941          |
|      | Telangana#                 | 7960   | 3582          | 1387           | 0              | 9194  | 4658          | 1532           | 158            |
|      | Uttar Pradesh              | 4564   |               |                |                |   |               |                | 0              |
|      | Uttarakhand                | 5  | 13            | 27             | 0              | 155   | 61            | 1603           | 2500           |
|      | West Bengal                | 4868   | 1264          | 8784           | 3347           | 4074  | 2382          | 4353           | 25887          |
|      | Daman & Diu,<br>Dadra & NH | 934  | 278           | 0              | 3332           | 1907  | 1386          | 0              | 15769          |
|      | Puducherry                 | 26   | 13            | 227            | 169            | 28  | 25            | 324            | 1571           |
|      | Chandigarh                 | 0  | 0             | 0              | 0              | 0   | 0             | 0              | 0              |
|      | <b>Total</b>               | <b>542058</b>  | <b>209276</b> | <b>134905*</b> | <b>168408*</b> | <b>926357</b>   | <b>519259</b> | <b>306504*</b> | <b>283569*</b> |

\* Value does not include individual quantity of landfillable/incinerable/utilisable/recyclable HW generated in the states of Gujarat and Meghalaya.

# SPCBs/PCCs have not provided revised inventory.

\$ Data pertains to 2016-17, as inventory report of 2017-18 not provided by A & N Island, Lakshadweep and Manipur PCB.



#### **4.8 WAY FORWARD**

1. Submission of annual returns by all occupiers within the stipulated time period i.e. 30<sup>th</sup> June of every year.
2. Verification and reconciliation of manifest document by SPCBs/PCCs.
3. Random verification of annual returns submitted by occupiers before finalization of annual inventory.
4. Submission of annual inventory report by SPCBs/PCCs within the stipulated time period i.e. 30<sup>th</sup> September of every year.
5. Inclusion of management details w.r.t Import and export of hazardous and other waste (as specified in Schedule III of HOWM Rules,2016), in the annual inventory.
6. Accounting of hazardous waste generated due to impact of other regulation's (such as domestic hazardous waste as specified under Solid Waste Management Rules, 2016 and CFL/Fluorescent lamps as specified under E- Waste Management Rules, 2016) and management details thereof.
7. Compilation and reconciliation of information required to be filled in the various prescribed formats A to D mentioned under section 3.3 by SPCBs/PCCs may be cumbersome tasks. Therefore, technology intervention is advised with development of necessary software by SPCBs/PCCs in preparing their annual inventory especially in States/UTs where large number of occupiers exists.

CPCB is in the process of developing software on tracking of hazardous waste system which would auto generate the annual inventory of States/UTs . However, till the said tracking software system is developed and implemented, SPCBs/PCCs may devise its own mechanism for preparing their annual inventory with suitable technology interventions ensuring that their State/UT's annual inventory is reliable and credible.

# **ANNEXURE-1**

## **COPY OF FORMATS CIRCULATED TO ALL SPCBS/PCCS**

**Format-A1: for Submission of Annual Inventory on Hazardous Waste Management by Occupiers**

Name of SPCB/PCC: \_\_\_\_\_

Year: \_\_\_\_\_

**A1 Details on Hazardous Waste Generation**

| S. No. | Name of the District | Number of HW Generating Industry | Authorized Quantity of Hazardous Waste (Metric Tonne) |             |            |            | *Quantity of Hazardous Waste generated as per Annual Return within the State/UT (Metric Tonne) |             |            |            | Quantity of HW imported during the year (Metric Tonne) | Quantity of HW exported during the year (Metric Tonne) |
|--------|----------------------|----------------------------------|---|-------------|------------|------------|--|-------------|------------|------------|--|--|
|        |                      |                                  | Landfillable  | Incinerable | Recyclable | Utilizable | Landfillable   | Incinerable | Recyclable | Utilizable |  |  |
|        |                      | 1                                | 2   | 3           | 4          | 5          | 6  | 7           | 8          | 9          | 10   | 11   |
|        |                      |                                  |   |             |            |            |  |             |            |            |  |  |
|        |                      |                                  |   |             |            |            |  |             |            |            |  |  |
|        |                      |                                  |   |             |            |            |  |             |            |            |  |  |
|        |                      |                                  |   |             |            |            |  |             |            |            |  |  |
|        |                      |                                  |   |             |            |            |  |             |            |            |  |  |

\* This 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 the quantity of hazardous waste imported and received from other states/UTs either for recycling/utilization or disposal.

Note: Other units such as Kilo Litres or Numbers shall be converted into Metric Tonnes and therefore, the quantity of hazardous waste shall be reported only in Metric Tonne.

**Format-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      | Quantity sent (MT) |
|        |   |  | 12                     |  | 13                 |
| 1      | For disposal at common secured landfill                 |  |                        |  |                    |
|        |   |  |                        |  |                    |
| 2      | For disposal at common Incinerator                      |  |                        |  |                    |
|        |   |  |                        |  |                    |
| 3      | For recycling by Schedule IV recyclers                  |  |                        |  |                    |
|        |   |  |                        |  |                    |
| 4      | For utilization in co-processing (cement plants)        |  |                        |  |                    |
|        |   |  |                        |  |                    |
| 5      | For utilization under Rule 9 (other than co-processing) |  |                        |  |                    |
|        |   |  |                        |  |                    |

**Format-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 Kiln | Other than co-processing | Captive Utilization (other than column 15 & 16) |   | Co-processing in Cement Kiln | Under Rule 9 other than co-processing | Captive Utilization (other than column 19 & 20) |
|       |                      | 14  | 15                           | 16                       | 17  | 18  | 19                           | 20                                    | 21  |
|       |                      |   |                              |                          |   |   |                              |                                       |   |
|       |                      |   |                              |                          |   |   |                              |                                       |   |
|       |                      |   |                              |                          |   |   |                              |                                       |   |
|       |                      |   |                              |                          |   |   |                              |                                       |   |

**Format-A4: Details on Hazardous Waste Disposed**

| S.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 Secured Landfill (MT)                 |         | Quantity Disposed through Incinerator (MT) |         |
|       |                      | Common  | Captive | Common                                     | Captive | Common   | Captive | Common                                     | Captive |
|       |                      | 22  | 23      | 24   | 25      | 26   | 27      | 28   | 29      |
|       |                      |   |         |  |         |  |         |  |         |
|       |                      |   |         |  |         |  |         |  |         |
|       |                      |   |         |  |         |  |         |  |         |
|       |                      |   |         |  |         |  |         |  |         |
|       |                      |   |         |  |         |  |         |  |         |

**Format-A5: Details on Hazardous Waste Stored at Occupier Premises**

| S.No. | Name of the District | Total Quantity of HW stored at Occupier premises at the beginning of the financial year i.e. 01.04.2017 (MT) |             |            |            | Total Quantity of HW stored at Occupier premises during the financial year i.e. 1st April to 31st March 2018 (MT) |             |            |            |
|-------|----------------------|--|-------------|------------|------------|---|-------------|------------|------------|
|       |                      | Landfillable   | Incinerable | Recyclable | Utilizable | Landfillable  | Incinerable | Recyclable | Utilizable |
|       |                      | <b>30</b>  | <b>31</b>   | <b>32</b>  | <b>33</b>  | <b>34</b>   | <b>35</b>   | <b>36</b>  | <b>37</b>  |
|       |                      |  |             |            |            |   |             |            |            |
|       |                      |  |             |            |            |   |             |            |            |
|       |                      |  |             |            |            |   |             |            |            |
|       |                      |  |             |            |            |   |             |            |            |
|       |                      |  |             |            |            |   |             |            |            |

The quantity of landfillable hazardous waste generated, quantity in stock at the beginning of year and quantity transported from other state shall be equal to quantity disposed in common and captive secured landfill including transported to other state, quantity sent to other state and quantity stored at occupier premises at the end of financial year (i.e. [column no. 6+ column no.30+Net value of column no. 12 at s.no. 1 of Table A2]=[column no. 22+column no. 23+column no. 26+column no. 27+ Net value of column no. 13 at s.no. 1 of Table A2+column no.34])

Similarly, in case of incinerable hazardous waste (i.e. [column no. 7+column no.31 +Net value of column no. 12 at s.no. 2 of Table A2]=[column no. 24+column no. 25+column no. 28+column no. 29+Net value of column no. 13 at s.no. 2 of Table A2+column no.35])

For, recyclable hazardous waste(schedule IV item) (i.e.[column no. 8+ column no.32+Net value of column no 12 at s.no. 3 of Table A2]=[column no. 14+column no. 18+Net value of column no 13 at s.no. 3 of Table A2+column no.36])

For, utilizable hazardous waste (i.e. [column no. 9+column no.33+Net value of column no. 12 at s.no. 4&5 of Table A2]= [column no. 15+column no. 16+column no. 17+column no.19+column no. 20+column no. 21+Net value of column no. 13 at s.no. 4&5 of Table A2+column no. 37])

**Format-B: Annual Inventory on Recycling / Utilization/Co-Processing of Hazardous Waste**

Name of SPCB/PCC: \_\_\_\_\_

Year: \_\_\_\_\_

| S.No     | Type of Recycling Facilities   | No of Facilities authorized for recycling / utilization / Co-processing of HW | Total Authorized Capacity (MTA) | Quantity Recycled/ Utilized/ Co-processed (MT) during the year |
|----------|--|---|---------------------------------|--|
| <b>A</b> | <b>Commonly Recyclable HW</b>  |   |                                 |  |
| 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   |   |                                 |  |
| 6        | E-Waste  |   |                                 |  |
| 7        | Paint and ink Sludge/residues  |   |                                 |  |
| 8        | Used oil   |   |                                 |  |
| 9        | Waste Oil  |   |                                 |  |
|          | <b>Total</b>   |   |                                 |  |
|          | (Add new rows for other types of wastes)   |   |                                 |  |
| <b>B</b> | <b>Utilization of HW under Rule 9</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, Iridium, Osmium, Palladium, Rhodium, Ruthium, Rhenium, Gold & Silver                                      |   |                                 |  |
| 4        | Utilization of Spent H <sub>2</sub> SO <sub>4</sub> 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  | Utilization of Spent HCl generated from steel rolling mills for producing Ferric Chloride   |  |  |  |
| 7  | Utilization of Used Anode Butt to produce Carbon Pellets and High Energy (HE) Coke for use in Steel furnaces/foundries.                       |  |  |  |
| 8  | Utilization of Used Anode Butt to produce Carbon Blended Coke / Electrode carbon Paste /Carburiser for use in Steel or ferroalloy furnaces    |  |  |  |
| 9  | Utilization of pre-processed Used Anode Butt to produce Green Anodes through Anode-Baking Process for use in Aluminium Smelters               |  |  |  |
| 10 | Utilization of pre-processed used Anode Butt generated to produce Carbon Electrode Paste.   |  |  |  |
| 11 | Utilization of Coal Tar/Tarry Residue generated from coal gasifier for energy recovery in Sodium silicate industry.                           |  |  |  |
| 12 | De-contamination of contaminated drums/containers/ barrels  |  |  |  |
| 13 | Utilization of process sludge and primary ETP sludge generated from Pulp & Paper Industries for producing Paper Board/ Mill Board/ Card Board |  |  |  |
| 14 | Captive Utilization of Aluminium Dross generated from refining and casting house of Aluminium smelter units to recover Aluminium Metal        |  |  |  |
| 15 | Utilization of Aluminium Dross generated from refining and casting house of Aluminium smelter units to recover Aluminium Metal                |  |  |  |
| 16 | Utilization of Oil based iron sludge of Ball & Roller bearings for producing Ferrous Sulphate   |  |  |  |
| 17 | Utilization of Mercury Waste generated from various industry for recovering Mercury   |  |  |  |
| 18 | Utilization of Spent H <sub>2</sub> SO <sub>4</sub> generated from Dye and Dye intermediates  |  |  |  |



|    |   |  |  |  |
|----|---|--|--|--|
|    | to produce gypsum suitable for use in cement plants   |  |  |  |
| 19 | Utilization of Spent fixer (hypo) solution generated from Photography / X-rays films to recover Silver metal  |  |  |  |
| 20 | Utilization of Hydro fluoro silicic acid - Acidic scrubber solution generated during Single Super Phosphate manufacturing industry Recovered Sodium Silico Fluoride (Sodium fluorosilicate) for use in Glass industry   |  |  |  |
| 21 | Utilization of Spent Sulphuric Acid Para generated during Nitro Toulene Ortho Sulfonic Acid/Oxadiargyl Anthrquinone manufacturing industry for production of Ferrous Sulphate   |  |  |  |
| 22 | Utilization of Vanadium Sludge generated from Alumina refineries for production of Vanadium metal   |  |  |  |
| 23 | Utilization of Phenolic Waste water generated from Coal Gasifier condensate water for Quenching of hot gases in After Burning Chamber of Direct-reduced iron (DRI) kiln of Sponge Iron Industry   |  |  |  |
| 24 | Utilization of Chemical sludge (Primary sludge) of ETP from Pulp & Paper Industry For energy recovery in Atmospheric Fluidized Bed Combustion (AFBC) Boiler/Pressurized Fluidized Bed Combustion (PFBC) Boiler/Circulating Fluidized Bed Combustion (CFBC) Boiler for steam or electricity generation |  |  |  |
| 25 | Utilization of Spent Carbon (Carbon Slurry) generated from Urea manufacturing plant for Quenching of carbon slurry in the reactor for manufacturing carbon black.   |  |  |  |
| 26 | Utilization of Spent Acid containing Molybdenum compound generated from Bulb filament manufacturing industries for manufacturing of Ammonium Molybdate  |  |  |  |
| 27 | Utilization of Resin Waste (mixture of Bisphenol A and Epichlorohydrin) generated from Resin impregnation of electrical coils power/hydro equipments industries for manufacturing of High Tension/Low Tension Insulators  |  |  |  |

|    |   |  |  |  |
|----|---|--|--|--|
| 28 | Utilization of Spent Alumina generated during Polymerization in SWING unit of Petrochemical Plant for manufacturing of Refractory material like Insulation bricks, Mortar, Castables, High Alumina bricks |  |  |  |
| 29 | Utilization of Spent Ion Exchange Resin generated from Demineralization (DM) Plant for energy recovery in boiler for steam or power generation  |  |  |  |
| 30 | Utilisation of Spent Ion Exchange Resin generated from Demineralization (DM) Plant for energy recovery in Direct-reduced iron (DRI) kiln of Sponge Iron Industry  |  |  |  |
| 31 | Utilisation of Tungsten Scrap generated from Metal cutting operation (using Tungsten carbide insert), mining tool buttons and worn out drills for manufacturing Tungsten Carbide Powder                   |  |  |  |
| 32 | Utilisation of Spent Pot Lining generated during production of Primary Aluminium from Alumina Smelting Industries for utilization as a supplementary resource for manufacturing of Carbon Mineral Fuel    |  |  |  |
| 33 | Utilisation of Spent Sulphuric Acid and Spent Sodium Thiosulphate generated during During manufacturing of 4,4 Diaminobenzene Sulphanilide for Isolation and purification of 2-NADSFA & 6-Acetyl APSA     |  |  |  |
| 34 | Utilisation of Coal Tar/Tarry Residue generated from Coal gasifier units for utilization as supplementary fuel in furnace for energy recovery in Frit manufacturing units                                 |  |  |  |
| 35 | Utilisation of Gasifier Slag containing Nickel & Spent Catalyst containing Molybdenum generated from Nitrogenous Fertilizer Industry for manufacturing of Alloy steel ingots and stainless steel ingots   |  |  |  |
| 36 | Utilisation of Synthetic Oil based mud/drill cuttings generated from Oil & Natural Gas Exploration for Road Construction / Oil recovery   |  |  |  |

|          |   |  |  |  |
|----------|---|--|--|--|
| 37       | Utilisation of Flue Gas Cleaning Residue generated from Bag filter connected to steel scrap melting induction furnace for recovery Zinc Metal   |  |  |  |
| 38       | Utilisation of Spent Sulphuric Acid and Spent Sodium Thiosulphate generated during manufacturing of 4,4 Diaminobenzene Sulphanilide for Isolation and purification of 2-NADSFA & 6-Acetyl APSA for manufacturing of Nitrosyl Sulphuric Acid (NSA) |  |  |  |
| 39       | Utilisation of Spent Phosphoric Acid generated during manufacturing of Quinacridone Pigment for production of Di-basic Calcium Phosphate  |  |  |  |
| 40       | Utilisation of Spent Sulphuric Acid generated during manufacturing of Vinyl Sulphone for production of H-acid   |  |  |  |
| 41       | Utilisation of Waste Dichromate Solution generated during manufacturing of Ibuprofen for production of Basic Chromium Sulphate  |  |  |  |
| 42       | Utilisation of Used Waste Thinner generated during cleaning of paint feeding lines using solvents for manufacturing of Industrial Primer to be used as Automotive Paints  |  |  |  |
|          | <b>Total</b>  |  |  |  |
| <b>C</b> | <b>Co-processing in Cement Plants</b>   |  |  |  |
|          |   |  |  |  |

**Format-C: List of Authorized Recyclers / Utilizers / Co-processors of Hazardous Waste**

Name of SPCB/PCC: \_\_\_\_\_

Year: \_\_\_\_\_

| <b>S.No</b> | <b>Name and Address of the Facility</b> | <b>Type of Hazardous Waste authorised for recycling</b> | <b>Authorized Recycling / Utilization / Co-Processing Capacity (MTA)</b> | <b>Quantity Recycled/ Utilized/ Co-processed (MT)</b> |
|-------------|---|---|--|---|
|             |   |   |  |   |
|             |   |   |  |   |
|             |   |   |  |   |
|             |   |   |  |   |
|             |   |   |  |   |
|             |   |   |  |   |
|             |   |   |  |   |
|             |   |   |  |   |
|             |   |   |  |   |
|             |   |   |  |   |
|             |   |   |  |   |
|             |   |   |  |   |

**Format-D1 : Annual Inventory w.r.t Common TSDF (s)**

**Name of SPCB/PCC:** \_\_\_\_\_

**Year:** \_\_\_\_\_

| 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 Pre-Processed for utilization (MT) | Quantity in Stock at the end of the year (MT) |             | Cumulative HW disposed in SLF by the end of financial year (MT) | Capacity           |                   |                 |  |
|-------|------------------------------|---|-------------|--|------------------------------|------------------|---|-------------------------------------|----------------------|---|---|-------------|---|--------------------|-------------------|-----------------|--|
|       |                              | Landfillable  | Incinerable | For Direct landfill                        | For Landfill after treatment | For Incineration | Quantity Landfilled directly              | Quantity Landfilled after treatment | Quantity Incinerated |   | Landfillable                                  | Incinerable |   | Incinerator (KCal) | Incinerator (T/H) | Landfill (MT/A) |  |
|       |                              |   |             |  |                              |                  |   |                                     |                      |   |   |             |   |                    |                   |                 |  |
|       |                              |   |             |  |                              |                  |   |                                     |                      |   |   |             |   |                    |                   |                 |  |
|       |                              |   |             |  |                              |                  |   |                                     |                      |   |   |             |   |                    |                   |                 |  |
|       |                              |   |             |  |                              |                  |   |                                     |                      |   |   |             |   |                    |                   |                 |  |

\* Including wastes received from other State/UT

**Format-D2 : Annual Inventory w.r.t Captive TSDF (s)**

Name of SPCB/PCC: \_\_\_\_\_

Year: \_\_\_\_\_

| S. No. | Name and Address of Captive facility | Type of facility (landfillable/Incinerable/both) | Capacity          |                 | HW disposed during the year | Cumulative HW disposed till the end of financial year |
|--------|--------------------------------------|--|-------------------|-----------------|-----------------------------|---|
|        |                                      |  | Incinerator (T/H) | Landfill (MT/A) |                             |   |
|        |                                      |  |                   |                 |                             |   |
|        |                                      |  |                   |                 |                             |   |
|        |                                      |  |                   |                 |                             |   |
|        |                                      |  |                   |                 |                             |   |
|        |                                      |  |                   |                 |                             |   |

## **ANNEXURE-2**

# **STATE-WISE STATUS ON HAZARDOUS WASTE GENERATION & IT'S MANAGEMENT**

# **1.**

# **ANDHRA PRADESH**

## **(Hazardous waste generation and its Management)**



**Table 10(a): Andhra Pradesh -District-wise details on Hazardous Waste Generation**

| S.No. | Name of the District    | Number of HW Generating Industry | Authorized Quantity of Hazardous Waste (Metric Tonne) |                  |                 |                  | *Quantity of Hazardous Waste generated as per Annual Return within the State/UT (Metric Tonne) |                 |                  |                   | Quantity of HW imported during the year(Metric Tonne) | Quantity of HW exported during the year(Metric Tonne) |
|-------|-------------------------|----------------------------------|---|------------------|-----------------|------------------|--|-----------------|------------------|-------------------|---|---|
|       |                         |                                  | Landfillable  | Incinerable      | Recyclable      | Utilizable       | Landfillable   | Incinerable     | Recyclable       | Utilizable        |   |   |
|       |                         |                                  | 1   | 2                | 3               | 4                | 5  | 6               | 7                | 8                 |   |   |
| 1     | Vizianagaram            | 99                               | 76557.76  | 2243.2           | 6677.94         | 120972.37        | 8160.213   | 315.11          | 738.92           | 99104.26          | 0   | 0   |
| 2     | Srikakulam              | 121                              | 20236.54  | 2570.8           | 70907.56        | 136451.4         | 8782.32  | 659.21          | 21031.6          | 112507.17         | 0   | 0   |
| 3     | Visakhapatnam           | 415                              | 415031.38   | 107262.04        | 83679.4         | 1565937.63       | 128925.4   | 1754.5          | 4105.05          | 39398             | 0   | 0   |
| 4     | East Godavari           | 352                              | 17330.5   | 1804.8           | 990.9           | 23000            | 2155.8   | 82.97           | 259              | 22359.96          | 0   | 0   |
| 5     | West Godavari           | 260                              | 8949.2  | 72               | 149198.28       | 132178.28        | 4219   | 16.606          | 4650             | 22620             | 0   | 0   |
| 6     | Krishna                 | 377                              | 4850.342  | 2653.095         | 11285.25        | 20006.97         | 2015.093   | 409.011         | 10826.12         | 2883.95           | 0   | 0   |
| 7     | Guntur                  | 219                              | 7422.11   | 346.625          | 23.95           | 28144            | 6747.41  | 317.453         | 19.78            | 6155.041          | 0   | 0   |
| 8     | SPSR Nellore & Prakasam | 367                              | 8522.8  | 74               | 20912.15        | 481              | 6818.3   | 62.154          | 6185.834         | 423.356           | 0   | 0   |
| 9     | Kurnool                 | 50                               | 7820.3  | 98               | 4846            | 3431.2           | 5205.25  | 15.81           | 4430             | 3156.7            | 0   | 0   |
| 10    | Anantapur               | 81                               | 1326.01   | 738.41           | 3445.14         | 2296.8           | 223.25   | 95.6            | 3136.2           | 2113              | 0   | 0   |
| 11    | Chittoor                | 135                              | 7482.69   | 295              | 155904.4        | 0                | 4538.73  | 295.454         | 45549.99         | 0                 | 0   | 0   |
| 12    | Kadapa                  | 27                               | 0   | 0                | 4480            | 0                | 0  | 0               | 2280             | 0                 | 0   | 0   |
|       | <b>Total</b>            | <b>2503</b>                      | <b>575529.63</b>                                      | <b>118157.97</b> | <b>512350.9</b> | <b>2032899.6</b> | <b>177790.76</b>   | <b>4023.878</b> | <b>103212.49</b> | <b>310721.437</b> | <b>0</b>  | <b>0</b>  |

**Table 11: Andhra Pradesh- 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      | Quantity sent (MT) |
|        |   |  | 12                     |  | 13                 |
| 1      | For disposal at common secured landfill                 | ---  | 0                      | ---                                    | 0                  |
| 2      | For disposal at common Incinerator                      | ---  | 0                      | ---                                    | 0                  |
| 3      | For recycling by Schedule IV recyclers                  | Puducherry                                   | 49.794                 | Tamilnadu                              | 256.05             |
| 4      | For utilization in co-processing (cement plants)        | Telangana                                    | 50859.64               | Telangana                              | 11018.44           |
|        |   | Karnataka                                    | 294                    | Chhattisgarh                           | 1943.465           |
|        |   |  |                        | Karnataka                              | 83.96              |
| 5      | For utilization under Rule 9 (other than co-processing) | Telangana                                    | 2658.447               | Telangana                              | 134.44             |

**Table 12: Andhra Pradesh-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 Kiln | Other than co-processing | Captive Utilization(Other than column 15 & 16) |  | Co-processing in Cement Kiln | Under Rule 9 other than co-processing | Captive Utilization(Other than column 19 & 20) |
|       |                         |  |                              |                          |  |  |                              |                                       |  |
| 1     | Vizianagaram            | 744.05   | 3806.534                     | 0                        | 94151.71                                       | 0  | 0                            | 0                                     | 0  |
| 2     | Srikakulam              | 20898.9  | 4689.042                     | 0                        | 104529.7                                       | 0  | 0                            | 0                                     | 0  |
| 3     | Visakhapatnam           | 4105.0456  | 6468.616                     | 5832.458                 | 18663  | 49.794   | 0                            | 2658.447                              | 0  |
| 4     | East Godavari           | 259  | 0                            | 22320                    | 0  | 0  | 0                            | 0                                     | 0  |
| 5     | West Godavari           | 4250   | 150                          | 22320                    | 0  | 0  | 0                            | 0                                     | 0  |
| 6     | Krishna                 | 10570  | 198.67                       | 2684.32                  | 0.96   | 0  | 2588.67                      | 0                                     | 0  |
| 7     | Guntur                  | 18.5   | 297.52                       | 7.453                    | 6152.088                                       | 0  | 0                            | 0                                     | 0  |
| 8     | SPSR Nellore & Prakasam | 6078.434   | 381.841                      | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 9     | Kurnool                 | 4385   | 2404.58                      | 0                        | 739.18   | 0  | 2993.725                     | 0                                     | 0  |
| 10    | Anantapur               | 3078.645   | 3413.36                      | 0                        | 1113   | 0  | 6354.196                     | 0                                     | 0  |
| 11    | Chittoor                | 44356.537  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 12    | Kadapa                  | 2286   | 0                            | 0                        | 0  | 0  | 35002.8                      | 0                                     | 0  |
|       | <b>Total</b>            | <b>101030.1116</b>   | <b>21810.163</b>             | <b>53164.231</b>         | <b>225349.638</b>                              | <b>49.794</b>  | <b>46939.391</b>             | <b>2658.447</b>                       | <b>0</b>                                       |

**Table 13: Andhra Pradesh-Details on Hazardous Waste Disposed**

| S.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 Secured Landfill (MT)                 |          | Quantity Disposed through Incinerator (MT) |          |
|       |                         | Common  | Captive         | Common                                     | Captive      | Common   | Captive  | Common                                     | Captive  |
|       |                         | 22  | 23              | 24   | 25           | 26   | 27       | 28   | 29       |
| 1     | Vizianagaram            | 7278.37   | 889.92          | 315.116                                    | 0            | 0  | 0        | 0  | 0        |
| 2     | Srikakulam              | 8731.1  | 0               | 80.18                                      | 579.03       | 0  | 0        | 0  | 0        |
| 3     | Visakhapatnam           | 101782.8  | 19007           | 1661.4                                     | 0            | 0  | 0        | 0  | 0        |
| 4     | East Godavari           | 1782.8  | 852             | 82.907                                     | 0            | 0  | 0        | 0  | 0        |
| 5     | West Godavari           | 1152.352  | 2140            | 16.606                                     | 0            | 0  | 0        | 0  | 0        |
| 6     | Krishna                 | 2031.54   | 0               | 252.557                                    | 242.13       | 0  | 0        | 0  | 0        |
| 7     | Guntur                  | 6212.75   | 0               | 7.453                                      | 0            | 0  | 0        | 0  | 0        |
| 8     | SPSR Nellore & Prakasam | 6722.616  | 0               | 70.154                                     | 0            | 0  | 0        | 0  | 0        |
| 9     | Kurnool                 | 0   | 5205.26         | 0  | 43.4         | 0  | 0        | 0  | 0        |
| 10    | Anantapur               | 223.25  | 0               | 13.725                                     | 121.74       | 0  | 0        | 0  | 0        |
| 11    | Chittoor                | 4475.688  | 0               | 265.454                                    | 0            | 0  | 0        | 0  | 0        |
| 12    | Kadapa                  | 0   | 0               | 0  | 0            | 0  | 0        | 0  | 0        |
|       | <b>Total</b>            | <b>140393.269</b>   | <b>28094.18</b> | <b>2765.552</b>                            | <b>986.3</b> | <b>0</b>   | <b>0</b> | <b>0</b>                                   | <b>0</b> |

**Table 14(e): Andhra Pradesh-Details on Hazardous Waste Stored at Occupier Premises**

| S.No. | Name of the District    | Total Quantity of HW stored at Occupier premises at the beginning of the financial year i.e. 01.04.2017 (MT) |                 |                 |                 | Total Quantity of HW stored at Occupier premises during the financial year i.e. 1st April to 31st March 2018 (MT) |                 |                 |                 |
|-------|-------------------------|--|-----------------|-----------------|-----------------|---|-----------------|-----------------|-----------------|
|       |                         | Landfillable   | Incinerable     | Recyclable      | Utilizable      | Landfillable  | Incinerable     | Recyclable      | Utilizable      |
|       |                         | 30   | 31              | 32              | 33              | 34  | 35              | 36              | 37              |
| 1     | Vizianagaram            | 68.69  | 140.57          | 6.72            | 2               | 60.613  | 140.57          | 1.59            | 1.996           |
| 2     | Srikakulam              | 60.78  | 3426.075        | 0               | 23.55           | 112   | 3425.996        | 132.7           | 42.06           |
| 3     | Visakhapatnam           | 11205.643  | 780.09          | 3215.7          | 4286.82         | 19341.246   | 873.186         | 3215            | 5942.174        |
| 4     | East Godavari           | 1405   | 0               | 0               | 0               | 926   | 0               | 0               | 0               |
| 5     | West Godavari           | 30.38  | 30              | 20              | 280             | 957.028   | 30.246          | 420             | 280             |
| 6     | Krishna                 | 16.45  | 112.356         | 0               | 647.264         | 0   | 26.68           | 0               | 648.05          |
| 7     | Guntur                  | 162.4  | 1.469           | 0.33            | 347.62          | 697.06  | 311.469         | 1.61            | 45.6            |
| 8     | SPSR Nellore & Prakasam | 117.63   | 11.132          | 10              | 0               | 213.314   | 3.132           | 117.4           | 41.515          |
| 9     | Kurnool                 | 38.72  | 66.39           | 5.532           | 0               | 38.72   | 38.8            | 50.532          | 12.94           |
| 10    | Anantapur               | 42.665   | 73.14           | 6.095           | 0               | 42.665  | 33.28           | 63.65           | 5.04            |
| 11    | Chittoor                | 252  | 0               | 6.54            | 0               | 315.041   | 30              | 1200            | 0               |
| 12    | Kadapa                  | 12   | 0               | 11              | 0               | 12  | 0               | 5               | 0               |
|       | <b>Total</b>            | <b>13412.358</b>   | <b>4641.222</b> | <b>3281.917</b> | <b>5587.236</b> | <b>22715.687</b>  | <b>4913.359</b> | <b>5207.482</b> | <b>7019.375</b> |

**Table 15: Andhra Pradesh-Details on Recycling / Utilization/Co-Processing of Hazardous Waste**

| S.No     | Type of Recycling Facilities   | No of Facilities authorized for recycling / utilization / Co-processing of HW | Total Authorized Capacity (MTA) | Quantity Recycled/ Utilized/ Co-processed (MT) during the year |
|----------|--|---|---------------------------------|--|
| <b>A</b> | <b>Commonly Recyclable HW</b>  |   |                                 |  |
| 1        | Brass Dross  | 1   | 825                             | 12.32  |
| 2        | Zinc Bearing Wastes  | 1   | 6480                            | 3935.634   |
| 3        | Copper Bearing Waste   | 0   | 0                               | 0  |
| 4        | Spent catalyst containing nickel, cadmium, Zinc, copper, arsenic, vanadium and cobalt  | 1   | 335.96                          | 46.32  |
| 5        | Lead bearing waste including battery waste   | 16  | 288926                          | 55490.44   |
| 6        | E-Waste  | 1   | 480                             | 65.657   |
| 7        | Paint and ink Sludge/residues  | 0   | 0                               | 0  |
| 8        | Used oil   | 18  | 52648.22                        | 5115.48  |
| 9        | Waste Oil  | 28  | 90422.645                       | 16662.15   |
|          | <b>Total</b>   | <b>66</b>   | <b>440117.825</b>               | <b>81328.001</b>   |
| <b>B</b> | <b>Utilization of HW under Rule 9</b>  |   |                                 |  |
| 1        | Recovery of solvents from spent solvents   | 26  | 70159                           | 32153.77   |
| 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 | 9   | 11096.2                         | 11046.2  |
| 3        | Utilization of Spent H <sub>2</sub> SO <sub>4</sub> generated form Pickling operations for manufacturing Ferrous Sulphate  | 1   | 36000                           | 32400  |
| 4        | Utilization of Coal Tar/Tarry Residue generated from coal gasifier for energy recovery in Sodium silicate industry.  | 1   | 2920                            | 0  |
| 5        | Utilization of process sludge and primary ETP sludge   | 61  | 160288.28                       | 49750  |

| S.No     | Type of Recycling Facilities  | No of Facilities authorized for recycling / utilization / Co-processing of HW | Total Authorized Capacity (MTA) | Quantity Recycled/ Utilized/ Co-processed (MT) during the year |
|----------|---|---|---------------------------------|--|
|          | generated from Pulp & Paper Industries for producing Paper Board/ Mill Board/ Card Board  |   |                                 |  |
| 6        | Utilization of Chemical sludge (Primary sludge) of ETP from Pulp & Paper Industry For energy recovery in Atmospheric Fluidized Bed Combustion (AFBC) Boiler/Pressurized Fluidized Bed Combustion (PFBC) Boiler/Circulating Fluidized Bed Combustion (CFBC) Boiler for steam or electricity generation | 1   | 593.97                          | 593.97   |
| 7        | Utilization of Ferro Chrome slag from alloy industries after TCLP test used for filling in low lying areas  | 2   | 86500                           | 86500  |
| 8        | utilization of used oil generated for lubricating purpose   | 2   | 200                             | 200.96   |
| 9        | utilization of waste generated from sugar industries as authorization was issued by the Board earlier   | 1   | 95277                           | 95277  |
| 10       | Utilization of ETP sludge generated from solvent extracted oil units  | 1   | 3                               | 3  |
| 11       | Other   | 12  | 9646                            | 15644.52   |
|          | <b>Total</b>  | <b>117</b>  | <b>472683.45</b>                | <b>125943.94</b>   |
| <b>C</b> | <b>Co-processing in Cement Plants</b>   | 8   | 862706.97                       | 93719.745  |
| 1        | costal waste management project Ramky Pharmacy- Alternative Fuel Raw material facility (AFRF)   | 1   | 36000                           | 1077.651   |

**Table 16: Andhra Pradesh-List of Authorized Recyclers/ Utilizers/Co-processors**

| 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) |
|-------|---|---|---|--|
| 1.    | M/s Samana Industries, Plot No. 2, 3 & 4, Block No.: 39, IDA, Autonagar, Guntur, Guntur Dist.                       | Brass Dross   | 825   | 12.32  |
| 2.    | M/s BDJ Oxides Pvt. Ltd., Plot No. 10, Attivaram (V), Industrial Park, Ozili Mandal, SPS Nellore District           | Zinc Dross/Scrap/ skimming's  | 6480  | 3935.634                                       |
| 3.    | M/s Arora Mathew Ltd., Plot No. 58/B, JN Pharmacy, Parawada, Visakhapatnam  | Catalyst regeneration   | 335.96  | 46.32  |
| 4.    | M/s HBL Power Systems limited, Kandivalasa (V), Pusapatirega (M), Vizianagaram District                             | 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 | 35.00   | 35   |
| 5.    | M/s S.R. Petro Products, Plot No. 195/B, APIIC, Growth Center, Bobbili (V) & (M), Vizianagaram District             | Base Oil  | 1800  | Industry became Sick                           |
| 6.    | M/s. Sri Balaji Lubricants, Plot No. 5 C, IDA, Nellimarla (V) & (M), Vizianagaram District                          | Lubricating Oil   | 368.64  | 128  |
|       |   | Light Oil (by Product)  | 19.584  | 9.6  |
| 7.    | M/S.Sri Balaji Industries, Plot.No.156/E, APIIC Growth Center, Bobbili (V & M), Vizianagaram District               | Recovery of Solvents from Spent Solvents  | 5220  | 4042.9   |
| 8.    | M/s. Bipasa Trade Link Private Limited, Plot No. D-1, IDA, Nellimarla (V & M), Vizianagaram District                | Residue generated from Blast furnace  | 50  | NIL  |
| 9.    | M/s Steel Exchange India Private Limited., Malliveedu & Sreerampuram Villages, L. Kota (M), Vizianagaram District   | Tarry residue generated from coal gasifier  | 2920  | NIL  |
| 10.   | M/s. Navya Waste and Used Oil Re-refining and Recycling Industry, Plot No. 30, Industrial Park, Block-F, Autonagar, | Waste oil   | 9500  | 768.61   |
|       |   | Used oil  | 1500  | 6.5  |



| 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) |
|-------|--|--|---|--|
|       | Visakhapatnam  |  |   |  |
| 11.   | M/s. ARC India Petroleum Private Limited, Sy. No. 291/1-3B of Kumarapuram (V), Payakaraopeta (M), Visakhapatnam District | Waste oil  | 30000   | 672.4  |
|       |  | Used oil   | 20000   | 2166   |
| 12.   | M/s. Zen Waste Oil Recycling Industry, Plot No. 62/B, Block-E, Autonagar, Gajuwaka, Visakhapatnam-                       | Waste oil  | 4320  | 403  |
| 13.   | M/s. Sri Venkateswara Lubricants, Plot No. 70, E-Block, IDA Autonagar, Gajuwaka, Visakhapatnam                           | Waste oil  | 1800  | 953.8  |
|       |  | Used Oil   | 360   | 194.57   |
| 14.   | M/s. Visakha Melting Company Ltd., Sy. No. 24/11 & 12, Tatituru (V), Bheemunipatnam (M), Visakhapatnam                   | Used lead acid batteries                         | 4896  | 354.36   |
| 15.   | M/s. JMR Petro Industries, Plot No. E-24, AIE Pedagantyada, Visakhapatnam district                                       | Used oil   | 3240  | 171.87   |
|       |  | Waste Oil  | 792   | 3  |
| 16.   | M/s. Ramakrishna Lubricants, Sy. No. 290/2, Bapulametta, Sagaram (V), V. Madugula (M), Visakhapatnam                     | Used oil   | 360   | 36   |
| 17.   | M/s. Zen Lubs, Plot No. 62, IDA, Block-E, Autonagar, Visakhapatnam   | Used Oil   | 613.44  | 528  |
| 18.   | M/s. Visakha Solvents Limited, JN Pharmacity, Parawada, Visakhapatnam  | Solvent recovery unit                            | 18000   | 11426.14                                       |
| 19.   | M/s. Arora Mathew Ltd., Plot No.58/ B, JN Pharmacity, Parawada, Visakhapatnam  | Catalyst regeneration                            | 335.96  | 46.32  |
| 20.   | M/s.Green Waves Environmental Solutions, Sy.No.43/1, Mindi(V), Gajuwaka(M), Visakhapatnam District                       | E-waste  | 480   | 65.657   |
| 21.   | M/s Swetha Finechem, Plot.No. 22c, Gurajapalem (V), Ramballi(M) Atchuthapuram, Visakhapatnam                             | Solvent recovery unit                            | 21600   | 1716   |
| 22.   | M/s. Sruthi Chemicals, Unit-1, 27/Cm APSEZ, Denotified Area, Gurajapalem(V), Ramballi(M), Atchuthapuram, Visakhapatnam   | Solvent recovery unit                            | 10800   | 1238.41  |

| 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) |
|-------|---|--|---|--|
| 23.   | M/s. Paramount Fuels and Lubricants, Plot No. 39, F-Block, Autonagar, Gajuwaka, Visakhapatnam (Dist.)                                   | Waste oil Reclamation                            | 5500  | 0  |
| 24.   | M/s Coastal Waste Management Project Ramky Pharmacy - AFRF Facility   | Alternative Fuel & Raw material Facility         | 36000   | 1077.651                                       |
| 25.   | M/s. Sri Durga Industry, R.Sy.No. 183/3B, Kotapadu (V), Rangampeta (M), East Godavari District  | Waste Oil  | 7500  | 319.336  |
|       |   | Used Oil   | 3150  | 344.936  |
| 26.   | M/s. Royal Lubricants R.Sy.No. 74/1, Jagapathinagaram (V), Kirlampudi (M), East Godavari District                                       | Waste Oil  | 2960  | 1400   |
|       |   | Used Oil   | 2640  | 1120   |
| 27.   | M/s. Sri Lakshmi Narayana Industries, R.Sy.No.433/1, 433/2, Pidimgoyyi (V), Rajahmundry Rural, East Godavari District                   | Waste Oil  | 4992  | 1176   |
|       |   | Used Oil   | 2467.2  | 324.8  |
| 28.   | M/s. SAF Petroleums, Plot No.204, APIIC, Auto Nagar, Sarpavaram (V), Kakinada Rural, East Godavari District                             | Waste Oil  | 1440  | 268  |
|       |   | Used Oil   | 1600  | 74.4   |
| 29.   | M/s. NSR Industries, R.Sy.No.840, IDA, Plot No.83 & 84, Peddapuram, East Godavari District  | Used Oil   | 1920  | ----   |
|       |   | Waste Oil  | 600   | ---  |
| 30.   | M/s. Avighna Industries (Formerly M/s. Rajavardhan Industries) R.Sy.No.81/3, Velanka Village, Kirlampudi Mandal, East Godavari District | Used Oil / Spent oil                             | 720   | ---  |
| 31.   | M/s. Gaurav Lubricants Pvt Limited, R.Sy.No. 15, Bhalabhadrapuram Village, Biccavolu Mandal, East Godavari District                     | Reclamation of used oil                          | 3240  | ----   |
|       |   | Reclamation of waste oil                         | 10080   |  |
| 32.   | M/s. Rzass Industries, Plot No.E5 & F1, Industrial Estate, Dowlaiswaram Village, Rajahmundry Rural, East Godavari District              | Lead-3   | 1650  | 200  |
| 33.   | Godavari Lubricants, Plot No. 92/1B & 1G, Kadimipothavaram (V), Pinapaka Post, G.Konduru (M),   | Waste Oil  | 940.95  | 940.95   |

| 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) |
|-------|--|--|---|--|
|       | Krishna Dist.  |  |   |  |
| 34.   | Gopala Krishna Lubricants (Formerly Sivani Lubricants), Plot No.54F, IDA, Kondapalli (V),Ibrahimpattam (M),Krishna Dist.   | Waste Oil  | 690.03  | 690.03   |
| 35.   | Jyothi Lubricants, Plot No. 186-B, IDA,IDA, Kondapalli (V)Ibrahimpattam (M),Krishna Dist.  | Waste Oil  | 250.92  | 250.92   |
| 36.   | Konark Petro Chemicals, Plot No. 221,Block No. 10, 6th Road, Auto nagar, Vijayawada,Krishna Dist.  | Waste Oil  | 313.65  | 313.65   |
| 37.   | Lakshmi Lubes, Shed No. 8, Phase - 2,Auto nagar, Vijayawada,Krishna Dist.  | Waste Oil  | 313.65  | 313.65   |
| 38.   | Mahalakshmi Industries,Tempalli (V), 225/1, Gannavaram (M),Krishna Dist.   | Waste Oil  | 1568.25   | 1568.25  |
| 39.   | Manohar Lubricants, Plot No. 223/A, BI No. B-10, New Auto Nagar, Kanuru (V)Penamaluru (M),Krishna Dist.  | Waste Oil  | 313.65  | 313.65   |
| 40.   | Ramaa Industries, Plot No. 55-B,IDA, Kondapalli (V),Ibrahimpattam (M),Krishna Dist.  | Waste Oil  | 940.95  | 940.95   |
| 41.   | Roopika Petrochemicals,<br>(formerly Sri Siddhivinayaka Agencies), Plot No. 126, Block No. A-9,<br>Autonagar, New Auto Nagar, Kanuru (V)Penamaluru (M),Krishna Dist. | Waste Oil  | 313.65  | 313.65   |
|       |  |  |   |  |
| 42.   | Sravanthi Lubricants, Plot No. 57D,IDA, KondapalliIbrahimpattam (M),Krishna Dist.  | Waste Oil  | 313.65  | 313.65   |
| 43.   | Sri Balaji Petro Chemicals, Plot No. 2, Block No. A-1, New Autonagar, Kanuru (V),Penamaluru (M),Krishna Dist.  | Waste Oil  | 3136.5  | 3136.5   |

| 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) |
|-------|--|---|---|--|
| 44.   | Sri Sai Ram Lubricants, Plot No. 69, Block No. B-5, Autonagar, New Autonagar, Kanuru (V), Penamaluru (M), Krishna Dist.              | Waste Oil   | 156.825   | 156.825  |
| 45.   | Sri Siva Sai Petro Products, Plot No.2 & 3, Block No:- B-01, New Autonagar, New Auto Nagar, Kanuru (V) Penamaluru (M), Krishna Dist. | Waste Oil   | 313.65  | 313.65   |
| 46.   | Vijay Lubricants, Plot No. 54-E, IDA, Kondapalli (V), Ibrahimpatnam (M), Krishna Dist. Krishna Dist.                                 | Waste Oil   | 690.03  | 690.03   |
| 47.   | Vijaya Oils (formerly K.V.R. Oils), Plot No. 57G, IDA, IDA, Kondapalli (V) Ibrahimpatnam (M), Krishna Dist.                          | Waste Oil   | 313.65  | 313.65   |
| 48.   | The KCP Ltd., Cement Unit, Muktheswarapuram (V), Jaggaiahpet (M), Krishna Dist.  | Waste oil   | 6.97  | 6.85   |
| 49.   | M/s. Samana Industries, Plot No. 2,3 & 4, Block. No: 39, IDA, Autonagar, Guntur, Guntur District                                     | Lead acid batteries   | 2520  | 28.391   |
| 50.   | M/s. Aman Industries, Phase-II, Plot No: 47, Autonagar, Guntur, Guntur Dist  | Lead acid batteries Plates/ Lead slag/ Ash/Lead bearing residue   | 700   | 165.83   |
| 51.   | M/s. Powertrek Industries (Unit – I) Phase – III, Industrial Estate, Auto Nagar, Guntur, Guntur District                             | Used Lead Acid Batteries Scrap/Lead dross/Lead residue and other Lead Bearing product, Lead Scrap & Lead Slag | 7920  | 2446.165                                       |
| 52.   | M/s. Powertrek Industries (Unit – II) Phase – IV, Industrial Estate, Auto Nagar, Guntur, Guntur District                             | Lead Bearing Scrap & Lead Ingots, Lead Scrap & Used lead Acid Batteries                                       | 18000   | 3352.545                                       |
| 53.   | M/s. Azeeziya Industries, Plot No. 485, Phase I & II, Industrial Estate, Autonagar, Guntur, Guntur District                          | Lead Ash & Used Batteries   | 41040   | 63.22  |
| 54.   | M/s. Fathima Battery Industry, Plot No: 220, Phase – I & II, Autonagar, Guntur, Guntur Dist  | Used Lead Acid Batteries plates/Lead Scrap  | 240   | 98.89  |

| 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)             |
|-------|--|---|---|--|
| 55.   | M/s. Tri - G- Oil & Wax, Plot No.4, APIIC, Industrial Park, Menakur (V), Naidupet (M), SPSR Nellore District                     | Used Oil  | 4698  | 60.8   |
| 56.   | M/s. BDJ Oxides Private Limited, Plot No.10, Attivaram (V), Industrial Park, Ozili Mandal, SPS Nellore District                  | Zinc Dross/Scrap/ skimming's                                | 6480  | 3935.634   |
| 57.   | M/s. RML Metal and Alloys Private Limited, Sy. No.37/4, 6 & 7, Marrisalle Gopasamudram (V), Podalakur (M), SPSR Nellore District | Used scrap & used batteries                                 | 9600  | 2082   |
| 58.   | M/s Amaravati Metals and Alloys, Sy.No.216 & 226, Chetlamallapuram (V), Kallur (M), Kurnool District                             | Used batteries  | 2880  | 1138   |
| 59.   | M/s. Deccan Power On, Sy.No.25-11, Gooty Road, Rajiv Colony (GP), Ananthapuramu(Rural), Ananthapuramu.                           | Used batteries  | 150   | 110  |
| 60.   | M/s. Saptha Industries, Shed No.11, APIIC Growth Centre, Thumukunta, Hindupur, Anantapur District                                | Recovery of the spent solvents                              | 7400  | 9360   |
| 61.   | M/s Hepta Chem & Pharma (India) Private limited, Sy.No.113A, Madhavaram Road, Isvi(V), Adoni (M), Kurnool Dist                   | Recovery of the spent solvents                              | 3,000   | 200  |
| 62.   | M/s. R.S Mineral Works, Sy.No.83/2, Bugganipalle (V), Betamcherla (M), Kurnool District  | Usage of spent sulphuric acid for the manufacture of Gypsum | 36000   | 32400  |
| 63.   | M/s. Gravita India Ltd, Sy No. 233, Anathapuram (V), Chittoor Mandal, Chittoor District, A.P                                     | Used batteries  | 45,500  | 18630.85 Tones (Local - 3655.18 MT & Import - 14975.67)    |
| 64.   | M/s. NILE Limited, Plot No: 38 & 40, APIIC Industrial Park, Gajulamandyam village, Renigunta Mandal, Chittoor District           | Used batteries  | 60,000  | 6097 Tones (Indigenous – 4084 Tones & Imports -2013 Tones) |

| 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) |
|-------|--|---|---|--|
| 65.   | M/s. Pandy Oxides & Chemicals Limited, Plot No: 78B, APIIC Industrial Park, Gajulamandyam village, Renigunta Mandal, Chittoor District | Scrap Lead Batteries  | 20,000  | 17860.132                                      |
| 66.   | M/s. Meloy Metals Pvt Ltd, Plot No.78C, IP, Gajulamandyam, Renigunta, Chittoor District, A.P   | Lead Scrap & remelted Lead  | 28,950  | 282.555  |
| 67.   | M/s. Sri Srinivasa Lubricants, Plot No: E4 & E5, I.E, Proddutur, Kadapa Dist   | Used oil  | 720   | 60   |
| 68.   | M/s. Indo Petro Products, Plot No: 101-B, IDA, Cuddapah, Cuddapah Dist   | Used oils   | 3600  | 18   |
| 69.   | M/s Bromokem, Plot No: 68-A, I.D.A., Gajulamandyam, Chittoor Dt  | Solvent recovery unit   | 1454.4 MTA  | 1,486 MTA                                      |
| 70.   | M/s. Bharathi Cement Corporation Ltd Nallingayapalli, Kamalapuram Mandal, Kadapa Dt  | Cement industry   | 80,800 TPA  | 37149  |
| 71.   | M/s. Zuari Cements Ltd, Yerraguntla, Kadapa District   | Cement industry   | 1,20,000 TPA  | 15078  |
| 72.   | M/s Dalmia Cement (Bharath) Ltd Chinna Komerla of Mylavaram (M), Kadapa District.  | Cement industry   | 4,05900 TPA   | 21194.8  |
| 73.   | M/s. FAC OR Alloys Limited, Shreeramnagar (V), Garividi (M), Vizianagaram District   | 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 | 305   | 305  |
| 74.   | M/s.Lakshmi Ganapathi Jute Mill Pvt Ltd, Venkata Rangarayaouram (V), Regidi Amadalavalasa (M), Srikakulam District                     | Utilization of waste lubricating oil generated for lubrication of machinery within the premises   | 200   | 200  |

| 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) |
|-------|--|---|---|--|
| 75.   | M/s. Balaji Cement Works, Krishna District   | Utilization of waste lubricating oil generated for lubrication of machinery within the premises.  | 0   | 0.96   |
| 76.   | Parry Sugar Industries Limited (Formelry GMR Industries Limited), (Distillery Division), Sankili (V), Regidi Amadalavalasa (M), Srikakulam District. | Utilization of waste generated from Sugar Industries as authorization was issued by the Board earlier.  | 95277   | 95277  |
| 77.   | M/s. Sri Nagavali Solvent Oils (P) Limited, Kesavaraopeta (V), Etcherla (M), Srikakulam District.  | Utilization of ETP sludge generated from solvent extracted oil units.   | 3   | 3  |
| 78.   | Pharmazell' India Pvt Ltd., Visakhapatnam  | Utilization of spent acetone  | 666   | 332.3  |
| 79.   | Andhra Petro Chemicals, Visakhapatnam  | Utilization of Oxoresidue and it is a off-spec material generated during distillation of xalcohols.   | 4000  | 3926   |
| 80.   | HPCL (Visakh Refinery), Visakhapatnam  | High oily sludge generated from crude/product bottom tanks is subjected to mechanical operations to recover oil which is reprocessed along with crude | 2500  | 5143   |
| 81.   | RINL (Visakhapatnam Steel Plant), Visakhapatnam  | Activated sludge from effluent treatment plants (MBC for CO effluent & ETP for Sewage)  | 300   | 4642.5   |



| 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) |
|-------|--|--|---|--|
| 82.   | RINL (Visakhapatnam Steel Plant),<br>Visakhapatnam | Different grades of oils used for various applications like lube, hydraulic, transformer etc., all over the plant is collected after use                   | 320   | 313.81   |
| 83.   | RINL (Visakhapatnam Steel Plant),<br>Visakhapatnam | Sludge and muck generated from the decanters of Benzol distillation plant of by product plant of coke ovens  | 480   | 329.4  |
| 84.   | RINL (Visakhapatnam Steel Plant),<br>Visakhapatnam | Tarry acid sludge generated during the cleaning of tanks at Ammonia Sulphate Plant   | 200   | 254.26   |
| 85.   | Coromandel International Ltd.,<br>Visakhapatnam    | Utilization of residue sludge generated during storage of sulphuric acid and phosphoric acid in tanks, to be re-used back into the process directly.       | 30  | 27.75  |
| 86.   | Coromandel International Ltd.,<br>Visakhapatnam    | utilization of process sludge generated during process or during cleaning or maintenance activity of the complex plant to be re-used back into the process | 360   | 320  |
| 87.   | Coromandel International Ltd.,<br>Visakhapatnam    | Utilization of sulphur sludge generated during melting of solid sulphur by grinding the sludge and then using it back in                                   | 600   | 280  |



| 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) |
|-------|---|---|---|--|
|       |   | complex plant.  |   |  |
| 88.   | 50 Paper & Pulp, Card Board, Mill Board & Egg tray units in West Godavari District                                | Utilization of process sludge and primary ETP sludge generated from Pulp & paper industries for producing paper Board / mill Board/Card Board.  | 132178.28   | 22320  |
| 89.   | M/s. Vamsadhara Paper Mills Limited, Madapam (V), Narasannapeta (M), Srikakulam District                          | Utilization of Chemical sludge (Primary sludge) of ETP from Pulp & Paper industry for energy recovery in atmospheric Fluidized bed combustion (AFBS) Boiler/Pressurized Fluidized Bed combustion (PFBS) Boiler/ Circulating Fluidized Bed Combustion (CFBC) Boiler for steam or electrically generation | 593.97  | 593.97   |
| 90.   | M/s. JSL Stainless Limited (Formerly M/s. JSL Limited), Jindal Nagar (V), Kotha Valasa (M), Vizianagaram District | Utilization of Ferro — Chrome slag from alloy industries after TCLP test used for filling in low lying areas  | 16200   | 16200  |

| 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) |
|-------|---|---|---|--|
| 91.   | M/s. R.S Mineral Works,<br>Sy.No.83/2, Bugganipalle (V),<br>Betamcherla (M), Kurnool District                                   | Usage of spent sulphuric acid for the manufacture of Gypsum   | 36000   | 32400  |
| 92.   | M/s. K.V.R. Industries Limited,<br>Sarasanapalli (V) Regidi Amadalavalasa<br>(M), Srikakulam District                           | Utilization of process sludge and primary ETP sludge generated from Pulp & paper industries for producing paper Board / mill Board/Card Board.                  | 5110  | 5110   |
| 93.   | M/s Metkore Alloys & Industries Ltd.(Formerly Cronimet Alloys India Limited), Raviwalasa(V),<br>Tekkali(M),Srikakulam District. | 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 | 3285  | 3285   |
| 94.   | M/s Dankuni Steel Limited,(Unit: Con Cast Ferro Inc.), Dusi<br>(V),Amadalavalasa (M), Srikakulam District                       | 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 | 60  | 60   |
| 95.   | M/s. JSL Stainless Limited (Formerly M/s. JSL Limited), Jindal Nagar (V),<br>Kotha Valasa (M), Vizianagaram District            | 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 | 295   | 295  |

| 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) |
|-------|---|---|---|--|
| 96.   | M/s. Siri Smelters Private Limited, APIIC, Growth Center, Bobbili (V) & (M), Vizianagaram District  | 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 | 2671.8  | 2671.8   |
| 97.   | M/s. Andhra Ferro Alloys Limited, (Unit-II), Garbham (V), Merakamudidam (M), Vizianagaram District  | 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 | 4380  | 4380   |
| 98.   | M/s. Deccan Ferro Alloys Limited, Chinthalapalem (V), Kothavalasa (M), Vizianagaram District  | 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 | 14.4  | 14.4   |
| 99.   | 19 Pharmaceutical industries located in Krishna District  | spent solvents  | 2684.32   | 2684.32  |
| 100   | 3 Cement Plants in Kurnool and Anantapur Districts (1.UltraTech Cement Limited, Tadipatri, Anantapuram (2. JSW Cement Ltd., Kurnool (3. Sree Jayajothi Cements Pvt.Ltd., Kurnool) | Cement  | 2,36,000  | 17510.605                                      |
| 101   | M/s. The Ramco Cements, KrishnaDistrict   | Iron sludge   | 20000   | 2780.49  |
| 102   | Hindustan Zinc Ltd., Visakhapatnam  | Used Burnt Oil  | 8   | 72.56  |

| 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) |
|-------|---|---|---|--|
| 103   | Hindustan Zinc Ltd., Visakhapatnam  | Waste Oils  | 0   | 2.94   |
| 104   | Sri Satya Lakshmi Ganapathi Egg Tray, R.sy.No.412 Kothuru (V), Anaparthi(M), East Godavari District                                       | Utilization of process sludge and primary ETP sludge, generated from Pulp & paper industries for producing paper Board / mill Board/Card Board. | 23000   | 22320  |
| 105   | M/s. Padmavathi Packing Products, R.Sy.No.333, Duppalapudi (V), Anaparthi (M), East Godavari District.                                    | Utilization of process sludge and primary ETP sludge, generated from Pulp & paper industries for producing paper Board / mill Board/Card Board. |   |  |
| 106   | M/s. KMR Egg Trays, R.Sy.No.121, Kapavaram Road, Pera Ramachandrapuram Village, Anaparthi Mandal, East Godavari District                  | Utilization of process sludge and primary ETP sludge, generated from Pulp & paper industries for producing paper Board / mill Board/Card Board. |   |  |
| 107   | M/s.Sri Golusu Reddy Egg Pack Industry, R. Sy.No.33 -1 , Raj anagaram Road, Duppalapudi Village, Anaparthi Mandal, East Godavari District | Utilization of process sludge and primary ETP sludge, generated from Pulp & paper industries for producing paper Board / mill Board/Card Board. | NOT PROVIDED  |  |
| 108   | M/s. S.V.K.R Egg Trays, Krishnupalem, Gokavaram - M, East Godavari District   | Utilization of process sludge and primary ETP sludge, generated from Pulp & paper industries for producing paper Board / mill Board/Card Board. |   |  |

| 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) |
|-------|---|---|---|--|
| 109   | M/s. Sri Lakshmi Ganesh Board Mill, R.Sy.No.23, Konda Gunturu (V), Rajanagaram (M), East Godavari District  | Utilization of process sludge and primary ETP sludge, generated from Pulp & paper industries for producing paper Board / mill Board/Card Board. | NOT PROVIDED  |  |
| 110   | M/s.Sri Lakshmi Ganapathi Pulp Trays, (Formerly M/s.Sri Siva Kesava Paper Board) R.Sy.No.412, Kothuru Village, Anaparthi Mandal, East Godavari District | Utilization of process sludge and primary ETP sludge, generated from Pulp & paper industries for producing paper Board / mill Board/Card Board. |   |  |
| 111   | M/s.Venkata Vijaya Sai Egg Trays, R.Sy.No.4-113, Kotapadu Village, Rangampeta Manal, East Godavari District   | Utilization of process sludge and primary ETP sludge, generated from Pulp & paper industries for producing paper Board / mill Board/Card Board. | NOT PROVIDED  |  |
| 112   | M/s. N S R Paper Board, R.Sy.No. 407/A2, Anaparthi (V & M), East Godavari District  | Utilization of process sludge and primary ETP sludge, generated from Pulp & paper industries for producing paper Board / mill Board/Card Board. |   |  |
| 113   | M/s. Sri Sai Charm Card Board Industries, R.Sy.No.53/2, Kondagunturu Village, Rajanagaram Mandal, East Godavari District.                               | Utilization of process sludge and primary ETP sludge, generated from Pulp & paper industries for producing paper Board / mill Board/Card Board. |   |  |

**Table 17: Andhra Pradesh-Details of Hazardous waste disposed in Common TSDF(s)**

| 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 Pre-Processed for utilization (MT) | Quantity in Stock at the end of the year (MT) |             | Cumulative HW disposed in SLF by the end of financial year (MT) | Capacity           |                   |                 |
|------|---|---|-------------|--|------------------------------|------------------|---|-------------------------------------|----------------------|---|---|-------------|---|--------------------|-------------------|-----------------|
|      |   | Landfillable  | Incinerable | For Direct landfill                        | For Landfill after treatment | For Incineration | Quantity Landfilled directly              | Quantity Landfilled after treatment | Quantity Incinerated |   | Landfillable                                  | Incinerable |   | Incinerator (KCal) | Incinerator (T/H) | Landfill (MT/A) |
| 1    | M/s Costal Waste Management Project Ramky Pharmacy Parawada | 451   | 1382.8      | 68740.65                                   | 71635.68                     | 2726.1           | 68740.65                                  | 71906.68                            | 3982.1               | 0   | 180.74  | 126.81      | 724000  | 5500000            | 1.5               | 750000          |

**Table 18: Andhra Pradesh-Details of Hazardous waste disposed in Captive TSDF(s)**

| S. No. | Name and Address of Captive facility  | Type of facility (landfillable/Incinerable/both) | Capacity          |                 | HW disposed during the year | Cumulative HW disposed till the end of financial year |
|--------|---|--|-------------------|-----------------|-----------------------------|---|
|        |   |  | Incinerator (T/H) | Landfill( MT/A) |                             |   |
| 1      | M/s HBL Power System Ltd, Kandivalasa (V), Pusapatirega (M), Vizianagaram   | Landfillable                                     | 0                 | 7081            | 890.02                      | 8598.064  |
| 2      | M/s NACL Industries Ltd, Plot No. 177, Arinama Akkivalasa (V), Allinagaram Post, Etcherla (M), Srikakulam Dist.                               | Incinerable                                      | 0.1742            | 0               | 579.03                      | 2024.285  |
| 3      | M/s Hindusthan Zinc Ltd., Visakhapatnam   | Landfillable                                     | 0                 | 600000          | 19007                       | 520000  |
| 4      | M/s Divis Labouratory, Vishakhapatnam   | Incinerable                                      | 0.45              | 0               | 0                           | 9   |
| 5      | M/s Deccan Fine Chemical, Vishaakhapatnam   | Incinerable                                      | 0.3               | 0               | 0                           | 0   |
| 6      | M/s Sar Chandra Environ Solutions Jaggamgiripeta (V), Samalkot, E godavari District.  | Landfillable                                     | 0                 | 10000           | 852.245                     | 31146.245   |
| 7      | M/s Andhra Sugar Ltd (C&F Division), Saggonda, West Godavari Dist.  | Landfillable                                     |                   | 23000           | 2140                        | 18000   |
| 8      | M/s Inventaa Chemicals Ltd, Keesara (V), Kanchikacherla (M), Krishna Dist.  | Incinerable                                      | 0.2               |                 | 242.1                       | 242.1   |
| 9      | M/s Sree Rayalaseema alkalies and allied chemicals ltd., Sy. No. 52/1, 2A, 2B, 2C1, 2C2, 2C3 etc. Gondiparla (V), Kurnool (M), Kurnool Dist., | Landfillable                                     | -                 | 33600           | 5205.255                    | 22685   |
| 10     | M/s Shree Rayalaseema Alkalies and Allied Chemicals Ltd. Sy No. 52/1, 2A, 2B, 2C1,  | Incinerable                                      | 0.343             | -               | 43.4                        | 243.4   |

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| S. No. | Name and Address of Captive facility                                    | Type of facility (landfillable/Incinerable/both) | Capacity          |                 | HW disposed during the year | Cumulative HW disposed till the end of financial year |
|--------|---|--|-------------------|-----------------|-----------------------------|---|
|        |   |  | Incinerator (T/H) | Landfill( MT/A) |                             |   |
|        | 2C2, 2C3 etc. Gondiparla (V), Kurnool (M), Kurnool Dist.,               |  |                   |                 |                             |   |
| 11     | M/s Diesel Loco Shed, South Central Railway Gooty, Anantapuram Dist.    | Incinerable                                      | 0.04              | -               | 50.8675                     | 303.575   |
| 12     | M/s Diesel Loco Shed, South Central Railway Guntakal, Anantapuram Dist. | Incinerable                                      | 0.04              | -               | 70.8675                     | 510.867   |
|        |   | <b>Total</b>                                     | <b>1.5472</b>     | <b>673681</b>   | <b>29080.785</b>            | <b>603762.536</b>                                     |























# **3. BIHAR (Hazardous waste generation and its Management)**















**Table 3(f): Bihar-Details on Recycling / Utilization/Co-Processing of Hazardous Waste**

| S.No     | Type of Recycling Facilities  | No of Facilities authorized for recycling / utilization / Co-processing of HW | Total Authorized Capacity (MTA) | Quantity Recycled/ Utilized/ Co-processed (MT) during the year |
|----------|---|---|---------------------------------|--|
| <b>A</b> | <b>Commonly Recyclable HW</b>   |   |                                 |  |
| 1        | Brass Dross   | 1   | 624                             | Annual report not submitted<br>(Information not available)     |
| 2        | Zinc Bearing Wastes   | 1   | 1381                            | 608.9  |
| 3        | Copper Bearing Waste  | Nil   | Nil                             | Nil  |
| 4        | Spent catalyst containing nickel, cadmium, Zinc, copper, arsenic, vanadium and cobalt | Nil   | Nil                             | Nil  |
| 5        | Lead bearing waste including battery waste  | 3   | 6270                            | 2607   |
| 6        | E-Waste   | Nil   | Nil                             | Nil  |
| 7        | Paint and ink Sludge/residues   | Nil   | Nil                             | Nil  |
| 8        | Used oil  | 3   | 10665                           | 336  |
| 9        | Waste Oil   |   |                                 |  |
|          | <b>Total</b>  | <b>8</b>  | <b>18940</b>                    | <b>3551.9</b>  |
| <b>B</b> | <b>Utilization of HW under Rule 9</b>   | -   | -                               | -  |
| <b>C</b> | <b>Co-processing in Cement Plants</b>   | -   | -                               | -  |

**Table 3(g): Bihar-List of Authorized Recyclers/ Utilizers/Co-processors**

| 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) |
|------|--|--|---|--|
| 1    | M/s Unision Lubricants India Pvt. Ltd., Industrial Growth Centre, Aurangabad | Used Oil   | 16 KLD (4800 MTA)   | 336  |
| 2    | M/s Essel Lubricants & Chemicals Pvt. Pvt. Eyari Road, Aurangabad            | Used Oil   | 1155+2310 KLA   | Unit non-operational                           |
| 3    | M/s Shristi Lube (India) Pvt. Ltd. NH-28, Barauni, Begusarai                 | Used Oil   | 2400 KLA  | Unit closed                                    |
| 4    | M/s Bhagwati Metalloys Pvt. Ltd., Industrial Area, Fatuha, Patna             | Used Lead Acid Batteries (ULABs) and Lead Scraps | 15 TPD (4320 MTA)   | 2607   |
| 5    | M/s Jyoti Electro Chemicals, Industrial Area, Fatuha, Patna                  | Used Lead Acid Batteries (ULABs) and Lead Scraps | 1.5 TPD<br>1.6 (450 MTA)  | No information/Annual Return                   |
| 6    | M/s Mahesh Engineering Works, Industrial Area, Bela, Muzaffarpur             | Used Lead Acid Batteries (ULABs) and Lead Scraps | 1500 MTA  | Unit non-operational                           |
| 7    | M/s Bharat Organics, Industrial Area, Bela, Muzaffarpur                      | Zinc ash   | 900 MTA   | 608.9  |
| 8    | M/s S.M. Industries, Industrial Growth Centre, Gigha, Bhojpur                | Zinc ash   | 480 MTA   | No information/Annual Return                   |
|      |  | Brass dross                                      | 624 MTA   |  |

Table 3(h): Bihar-Details of Hazardous waste disposed in Common TSDF(s)

| 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 Pre-Processed for utilization (MT) | Quantity in Stock at the end of the year (MT) |             | Cumulative HW disposed in SLF by the end of financial year (MT) | Capacity           |                   |                 |
|------|------------------------------|---|-------------|--|------------------------------|------------------|---|-------------------------------------|----------------------|---|---|-------------|---|--------------------|-------------------|-----------------|
|      |                              | Landfillable  | Incinerable | For Direct landfill                        | For Landfill after treatment | For Incineration | Quantity Landfilled directly              | Quantity Landfilled after treatment | Quantity Incinerated |   | Landfillable                                  | Incinerable |   | Incinerator (KCal) | Incinerator (T/H) | Landfill (MT/A) |
| 1    | No TSDF in Bihar             | NA  | NA          | NA   | NA                           | NA               | NA  | NA                                  | NA                   | NA  | NA  | NA          | NA  | NA                 | NA                | NA              |

Table 3(i): Bihar-Details of Hazardous waste disposed in Captive TSDF(s)

| S. No. | Name and Address of Captive facility | Type of facility (landfillable/Incinerable/both) | Capacity          |                 | HW disposed during the year | Cumulative HW disposed till the end of financial year |
|--------|--------------------------------------|--|-------------------|-----------------|-----------------------------|---|
|        |                                      |  | Incinerator (T/H) | Landfill( MT/A) |                             |   |
| 1      | No Captive TSDF                      | N/A  | N/A               | N/A             | N/A                         | N/A   |

# **4.**

# **CHANDIGARH**

## **(Hazardous waste generation and its Management)**

**Table 4(a): Chandigarh -District-wise details on Hazardous Waste Generation**

| S.No | Name of the District | Number of HW Generating Industry | Authorised Quantity of Hazardous Waste (Metric Tonne) |             |   |            | * Quantity of Hazardous Waste generated as per Annual Return within the State/UT (Metric Tonne) |             |   |            | Quantity of HW imported during the year (Metric Tonne) | Quantity of HW exported during the year (Metric Tonne) |
|------|----------------------|----------------------------------|---|-------------|---|------------|---|-------------|---|------------|--|--|
|      |                      |                                  | Landfillable  | Incinerable | Recyclable  | Utilizable | Landfillable  | Incinerable | Recyclable  | Utilizable |  |  |
|      |                      |                                  | 1   | 2           | 3   | 4          | 5   | 6           | 7   | 8          |  |  |
| 1    | Chandigarh           | 245                              | 24.833  | 2.46 MT     | Acid Residue - 38.27<br>Zinc. Containing waste - 8675 | NIL        | 129.033   | 24.73       | 1961.855 (Used Oil - 272.41<br>Acid Residue - 753.5<br>Zinc Containing waste - 935.945) | NA         | NIL  | NIL  |

**Table4(b): Chandigarh- Details on Inter - State Movement of Hazardous Waste for recycling/utilization/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 from which waste sent | Quantity sent (MT) |
|       |   |  | 12                     |  | 13                 |
| 1     | For disposal of common secured landfill                 | N/A  | N/A                    | Punjab                                 | 129.033            |
| 2     | For disposal of common incinerator                      | N/A  | N/A                    | Uttar Praddesh                         | 24.73              |
| 3     | For recycling by Schedule IV recyclers                  | N/A  | N/A                    | Punjab, Hariyana & UP                  | 1961.555           |
| 4     | For utilization in co-processing (cement plants)        | N/A  | N/A                    | N/A                                    | N/A                |
| 5     | For utilization under Rule 9 (other than co-processing) | N/A  | N/A                    | N/A                                    | N/A                |

**Table 4(c): Chandigarh-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 within the State/UT       |                              |                          |  |
|-------|----------------------|---|------------------------------|--------------------------|--|---|------------------------------|--------------------------|--|
|       |                      | Quantity of waste Recycled/Utilized under Schedule IV Hazardous Wastes (MT) | Quantity Utilized (MT)       |                          |  | Quantity of waste Recycled/Utilized under Schedule IV Hazardous Wastes (MT) | Quantity Utilized (MT)       |                          |  |
|       |                      |   | Co-processing in Cement Kiln | Other than co-processing | Captive utilization (other than col 15 & 16) |   | Co-processing in Cement Kiln | Other than co-processing | Captive utilization (other than col 18 & 20) |
|       |                      | 14  | 15                           | 16                       | 17   | 18  | 19                           | 20                       | 21   |
|       | Chandigarh           | N/A   | N/A                          | N/A                      | N/A  | NIL   | N/A                          | N/A                      | N/A  |

**Table 4(d): Chandigarh-Details on Hazardous Waste Disposed**

| S.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 Secured Landfill (MT)                 |         | Quantity Disposed through incinerator (MT) |         |
|       |                      | Common  | Captive | Common                                     | Captive | Common   | Captive | Common                                     | Captive |
|       |                      | 22  | 23      | 24   | 25      | 26   | 27      | 28   | 29      |
| 1     | Chandigarh           | 0   | N/A     | N/A  | N/A     | N/A  | N/A     | N/A  | N/A     |

**Table 4(e): Chandigarh-Details on Hazardous Waste Stored at Occupier Premises**

| Sr. No. | Name of the District | total Quantity of HW Stored at Occupier premises at the beginning of the financial year i.e. 01.04.2017 (MT) |             |            |            | Total Quantity of HW Stored at Occupier premises during the financial year i.e. 1st April to 31st March, 2018 MT |             |            |            |
|---------|----------------------|--|-------------|------------|------------|--|-------------|------------|------------|
|         |                      | Landfillable   | Incinerable | Recyclable | Utilizable | Landfillable   | Incinerable | Recyclable | Utilizable |
|         |                      | 0  | 0           | 0          | 0          | 0  | 0           | 0          | 0          |

**Table 4(f): Chandigarh-Details on Recycling / Utilization/Co-Processing of Hazardous Waste**

| S.No.    | Type of Recycling Facilities          | No. Of Facilities authorized for recycling/utilisation/Co-processing of HW | Total Authorised Capacity (MTA) | Quantity Recycled/Utilized/ Co-Processed (MT) |
|----------|---------------------------------------|--|---------------------------------|---|
| <b>A</b> | <b>Commonly Recyclable HW</b>         |  |                                 |   |
| 1        | Zinc Bearing Wastes                   | -  | N/A                             | 935.945                                       |
| 2        | Spent sulphuric acid                  | -  | N/A                             | 753.5   |
| 3        | Used Oil                              | -  | N/A                             | 272.41  |
|          | <b>Total</b>                          |  |                                 | <b>1961.855</b>                               |
| <b>B</b> | <b>Utilisation of HW under Rule 9</b> | -  | -                               | -   |
| <b>C</b> | <b>Co-processing in cement plant</b>  | -  | -                               | -   |

**Table 4(g): Chandigarh-List of Authorized Recyclers/ Utilizers and Co-processors**

| S.No. | Name and Address of the Facility   | Type of Hazardous Waste Recycled                                | Authorized Recycling / Utilization / CO-Processing Capacity (MTA) | Quantity Recycled / Utilized / Co-processed (MT)   |
|-------|--|---|---|--|
| 1     | M/s Ramky Enviro Engineers Limited, Opposite Vardhman Chemtech Ltd., Village-Nimbua, PO.-RampursainiaS, Tehsil-Derabassi, District-Mohali, Punjab. | Collection & transportation of ETP Sludge, Chemical Sludge etc. | (*)   | 129.033 MT   |
| 2     | M/s Bharat Oil Company (I) Regd., E-18, Sahibabad Industrial Area, Site-IV, Ghaziabad, Uttar Pradesh.  | Collection & transportation of Used Oil AND Incinerable Waste   |   | Incinerable waste - 24.73 MT<br>Used oil - 79.9 MT |
| 3     | M/s B.N. Concast (P) Limited, HSIDC Complex, Plot No. 18, Industrial Area, Alipur, Barwala, Panchkula, Haryana                                     | Collection & transportation of Used Oil                         |   | 3.9 MT   |
| 4     | M/s Golden Petro, Plot No. C-45, Industrial Focal Point, Chanalon, District- SAS Nagar, Punjab.  | Collection & transportation of Used Oil                         |   | 121.355 MT   |
| 5     | M/s Mahadev PetroChemicals, Plot No. D-116(P), Industrial Focal point, Mandi Gobindgarh, Distt. Fatehgarh Sahib (Punjab)                           | Collection & transportation of Used Oil                         |   | 67.160 MT  |
| 6     | M/s BRS Lubricants, D-57, Focal Point, Mandi Gobindgarh, Distt Fatehgarh sahib, Punjab-147301  | Collection & transportation of Used Oil                         |   | 0.0 95 MT  |



| S.No. | Name and Address of the Facility  | Type of Hazardous Waste Recycled                              | Authorized Recycling / Utilization / CO-Processing Capacity (MTA) | Quantity Recycled / Utilized / Co-processed (MT) |
|-------|---|---|---|--|
| 7     | M/s J.B.R Technology (P) Ltd, Opposite Nexo Industries, Kohara Machhiwara Road, Kohara, Ludhiana East ,Punjab | Collection & transportation of Acid residue                   |   | 568.4 MT   |
| 8     | M/s Bhagwati Agro Industries, Tosham Road, VPO, Balawas, Hisar, Haryana                                       | Collection & transportation of Acid residue                   |   | 185.1 MT   |
| 9     | M/s Chandigarh Zinc and Residues Pvt. Ltd., Plot No. 65, Industrial area , Phase II , Chandigarh              | Zinc Processing unit (HW sold to Zinc Sulphate manufacturers) |   | 61.7 MT  |
| 10    | M/s Haryana Agro Chemicals ( India ), Plot No. 65, Industrial area , Phase II , Chandigarh                    | Zinc Processing unit(HW sold to Zinc Sulphate manufacturers)  |   | 622 MT   |
| 11    | M/s Shivalik Industries, Plot No. 349, Industrial Area, Phase II, Chandigarh                                  | Zinc Processing unit (HW sold to Zinc Sulphate manufacturers) |   | 252.245  |

**(\*) The capacity could not provide because all the above mentioned units have been authorized for collection & transportation of hazardous waste from Chandigarh to their facility located in the nearby states.**

Table 4(h): Chandigarh-Details of Hazardous waste disposed in Common TSDF(s)

| 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 Pre-Processed for utilization (MT) | Quantity in Stock at the end of the year (MT) |             | Cumulative HW disposed in SLF by the end of financial year (MT) | Capacity           |                   |                 |
|----------------|------------------------------|---|-------------|--|------------------------------|------------------|---|-------------------------------------|----------------------|---|---|-------------|---|--------------------|-------------------|-----------------|
|                |                              | Landfillable  | Incinerable | For Direct landfill                        | For Landfill after treatment | For Incineration | Quantity Landfilled directly              | Quantity Landfilled after treatment | Quantity Incinerated |   | Landfillable                                  | Incinerable |   | Incinerator (KCal) | Incinerator (T/H) | Landfill (MT/A) |
| Not Applicable |                              |   |             |  |                              |                  |   |                                     |                      |   |   |             |   |                    |                   |                 |

Table 4(i): Chandigarh-Details of Hazardous waste disposed in Captive TSDF(s)

| S. No.         | Name and Address of Captive facility | Type of facility (landfillable/Incinerable/both) | Capacity          |                 | HW disposed during the year | Cumulative HW disposed till the end of financial year |
|----------------|--------------------------------------|--|-------------------|-----------------|-----------------------------|---|
|                |                                      |  | Incinerator (T/H) | Landfill (MT/A) |                             |   |
| Not Applicable |                                      |  |                   |                 |                             |   |

# **5.**

# **CHHATISGARH**

## **(Hazardous waste generation and its Management)**

**Table 5(a): Chhatisgarh -District-wise details on Hazardous Waste Generation**

| S.No | Name of the District | Number of HW Generating Industry | Authorised Quantity of Hazardous Waste (Metric Tonne) |                 |                  |                  | * Quantity of Hazardous Waste generated as per Annual Return within the State/UT (Metric Tonne) |                 |                 |                 | Quantity of HW imported during the year (Metric Tonne) | Quantity of HW exported during the year (Metric Tonne) |
|------|----------------------|----------------------------------|---|-----------------|------------------|------------------|---|-----------------|-----------------|-----------------|--|--|
|      |                      |                                  | Landfillable  | Incinerable     | Recyclable       | Utilizable       | Landfillable  | Incinerable     | Recyclable      | Utilizable      |  |  |
|      |                      |                                  | 1   | 2               | 3                | 4                | 5   | 6               | 7               | 8               |  |  |
| 1    | Raipur               | 94                               | 3560.59   | 2224.91         | 2007.71          | 47497.9          | 482.72  | 0.63            | 990.42          | 2986.38         | 0  | 0  |
| 2    | Dhamtari             | 3                                | 5.03  | 0               | 0.0065           | 1.83             | 0   | 0               | 0.004           | 0.72            | 0  | 0  |
| 3    | Mahasamund           | 1                                | 5   | 0               | 0                | 5                | 0.32  | 0               | 0               | 0.27            | 0  | 0  |
| 4    | Balodabazar          | 7                                | 0.5   | 57.4            | 1714.2           | 30               | 0   | 0               | 141.96          | 6.03            | 0  | 0  |
| 5    | Durg                 | 62                               | 33148   | 11032.1         | 1154.422         | 2760.725         | 2904.35   | 2475.89         | 400.38          | 38.69           | 0  | 0  |
| 6    | Rajnandgaon          | 3                                | 0   | 0.1             | 1285             | 0                | 0   | 0.005           | 322.63          | 0               | 0  | 0  |
| 7    | Balod                | 5                                | 0   | 0               | 104.83           | 0                | 0   | 0               | 35.91           | 0               | 0  | 0  |
| 8    | Kabirdham            | 1                                | 0   | 0               | 0.5              | 0                | 0   | 0               | 0.032           | 0               | 0  | 0  |
| 9    | Bilaspur             | 18                               | 6770  | 260.6           | 159.4            | 63.28            | 39.4  | 28.02           | 22.01           | 6.58            | 0  | 0  |
| 10   | Janjgir Champa       | 9                                | 0   | 69.25           | 263.4            | 53.65            | 0   | 0               | 185.3           | 0               | 0  | 0  |
| 11   | Mungeli              | 1                                | 0   | 0               | 0.2              | 1.2              | 0   | 0               | 0               | 0               | 0  | 0  |
| 12   | Bastar               | 5                                | 0   | 6               | 27.05            | 0                | 0   | 0.7             | 4.21            | 0               | 0  | 0  |
| 13   | Dantewada            | 7                                | 0   | 0               | 118.908          | 0                | 0   | 0               | 118.9           | 0               | 0  | 0  |
| 14   | Sukma                | 1                                | 0   | 0               | 15.3             | 0                | 0   | 0               | 0               | 0               | 0  | 0  |
| 15   | Raigarh              | 17                               | 236   | 8714            | 1224             | 0.6              | 0   | 1435.7          | 282.95          | 0               | 0  | 0  |
| 16   | Korba                | 36                               | 12840.4   | 777.4           | 1576.86          | 112075.41        | 8470.75   | 638.69          | 508.97          | 81235.3         | 0  | 0  |
| 17   | Surajpur             | 6                                | 0   | 28.7            | 36.36            | 0.32             | 0   | 11.8            | 9.3             | 0               | 0  | 0  |
| 18   | Korea                | 2                                | 0   | 3               | 56.37            | 0                | 2.5   | 53.5            | 0               | 0               | 0  | 0  |
| 19   | Surguja              | 2                                | 0   | 0               | 21               | 0                | 0   | 0               | 18.5            | 0               | 0  | 0  |
| 20   | Balrampur            | 2                                | 0   | 0               | 0.8              | 0.092            | 0   | 0               | 0.25            | 0               | 0  | 0  |
|      | <b>Total</b>         | <b>282</b>                       | <b>56565.52</b>                                       | <b>23173.46</b> | <b>9766.3165</b> | <b>162490.00</b> | <b>11900.04</b>   | <b>4644.935</b> | <b>3041.726</b> | <b>84273.97</b> | <b>0</b>   | <b>0</b>   |

**Table5(b): Chhatisgarh- 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            | Quantity sent (MT) |
|        |   |  | 12                     |  | 13                 |
| 1      | For disposal at common secured landfill                 | NIL  | NIL                    | NIL  | NIL                |
| 2      | For disposal at common Incinerator                      | NIL  | NIL                    | NIL  | NIL                |
| 3      | For recycling by Schedule IV recyclers                  | Karnataka, U.P., Punjab, Assam, Odisha, Madhya Pradesh, Maharashtra, Gujarat           | 2564.22                | Gujarat, Rajasthan, West Bengal, Maharashtra | 1807.91            |
| 4      | For utilization in co-processing (cement plants)        | West Bengal, Gujarat, Goa, Andhra Pradesh, Telengana, Tamil Nadu, Dadra & Nagar Haveli | 14363.72               | NIL  | NIL                |
| 5      | For utilization under Rule 9 (other than co-processing) | U.P. Madhya Pradesh, Andhra Pradesh, Odisha  | 9683.91                | NIL  | NIL                |

**Table 5(c): Chhatisgarh-Details on Hazardous Waste Recycled and Utilized**

| Sr. No. | Name fo the District | Recycling / Utilization of Waste (generated within the State/ UT)         |                              |  |   | Recycling / Utilization of hazardous waste (received from other State /UT) |                              |  |   |
|---------|----------------------|---|------------------------------|--|---|--|------------------------------|--|---|
|         |                      | Quantity of waste recycled (listed under Schedule IV Hazrdous Waste) (MT) | Quantity Utilized (MT)       |  |   | Quantity of waste recycled (listed under Schedule IV Hazrdous Waste) (MT)  | Quantity Utilized (MT)       |  |   |
|         |                      |   | Co-processing in Cement Kiln | Under Rules 9 Other than Co- Porcessing) | Captive Utilziation /other than coloumn 19 & 20 |  | Co-processing in Cement Kiln | Under Ruels 9 Other than Co- Porcessing) | Captive Utilziation /other than coloumn 19 & 20 |
|         |                      |   |                              |  |   |  |                              |  |   |
| 1       | Raipur               | 825.9   | 0                            | 2007.97                                  | 2986.38   | 2403.48  | 0                            | 3106.53                                  | 0   |
| 2       | Dhamtari             | 0   | 1276.19                      | 0  | 0   | 0  | 14363.72                     | 0  | 0   |
| 3       | Mahasamund           | 107.24  | 0                            | 0  | 0   | 45.96  | 0                            | 0  | 0   |
| 4       | Balodabazar          | 0   | 0                            | 0  | 0   | 0  | 0                            | 0  | 0   |
| 5       | Durg                 | 21.89   | 0                            | 0  | 0   | 114.78   | 0                            | 0  | 0   |
| 6       | Rajnandgaon          | 0   | 0                            | 0  | 0   | 0  | 0                            | 0  | 0   |
| 7       | Kabirdham            | 0   | 0                            | 0  | 0   | 0  | 0                            | 0  | 0   |
| 8       | Bilaspur             | 403   | 0                            | 0  | 0   | 0  | 0                            | 1784                                     | 0   |
| 9       | Korba                | 128.5   | 0                            | 0  | 76381   | 0  | 0                            | 4793.38                                  | 0   |
|         | <b>Total</b>         | <b>1486.53</b>  | <b>1276.19</b>               | <b>2007.97</b>                           | <b>79367.38</b>                                 | <b>2564.22</b>   | <b>14363.72</b>              | <b>9683.91</b>                           | <b>0</b>  |

**Table 5(d): Chhatisgarh-Details on Hazardous Waste Disposed**

| Sr. No. | Name fo 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                        |                 | Quantity disposed through Incinerator (MT) |            | Quantity Disposed in Secured Landfill                       |          | Quantity Disposed through incinerator (MT) |          |
|         |                      | Common   | Captive         | Common                                     | Captive    | Common  | Captive  | Common                                     | Captive  |
|         |                      |  |                 |  |            |   |          |  |          |
| 1       | Durg                 | 0  | 1860.59         | 0  | 0          | 0   | 0        | 0  | 0        |
| 2       | Korba                | 0  | 8164            | 0  | 0          | 0   | 0        | 0  | 0        |
| 3       | Raipur               | 0  | 0               | 0  | 4.7        | 0   | 0        | 0  | 0        |
|         | <b>Total</b>         | <b>0</b>   | <b>10024.59</b> | <b>0</b>                                   | <b>4.7</b> | <b>0</b>  | <b>0</b> | <b>0</b>                                   | <b>0</b> |

**Table 5(e): Chhatisgarh-Details on Hazardous Waste Stored at Occupier Premises**

| Sr. No. | Name of the District  | total Quantity of HW Stored at Occupier premises at the beginning of the financial year i.e. 01.04.2017 (MT) |             |               |               | Total Quantity of HW Stored at Occupier premises during the financial year i.e. 1st April to 31st March, 2018 MT |             |               |               |
|---------|-----------------------|--|-------------|---------------|---------------|--|-------------|---------------|---------------|
|         |                       | Landfillable   | Incinerable | Recyclable    | Utilizable    | Landfillable   | Incinerable | Recyclable    | Utilizable    |
|         |                       | 30   | 31          | 32            | 33            | 34   | 35          | 36            | 37            |
| 1       | Raipur                | 789.6  | 5.86        | 195.36        | 332.72        | 492.02   | 6.49        | 245.55        | 951.83        |
| 2       | Balodabazar Bhatapara | 0  | 0           | 0             | 0             | 0  | 0           | 0             | 0             |
| 3       | Mahasamund            | 1.2  | 0           | 0             | 0             | 1.52   | 0           | 0             | 0             |
| 4       | Dhamtari              | 5  | 0           | 0             | 0.7           | 5  | 0           | 0             | 0.3           |
|         | <b>Total</b>          | <b>795.8</b>   | <b>5.86</b> | <b>195.36</b> | <b>333.42</b> | <b>498.54</b>  | <b>6.49</b> | <b>245.55</b> | <b>952.13</b> |

**Table 5(f): Chhatisgarh-Details on Recycling / Utilization/Co-Processing of Hazardous Waste**

| S.No     | Type of Recycling Facilities  | No of Facilities authorized for recycling / utilization / Co-processing of HW | Total Authorized Capacity (MTA) | Quantity Recycled/ Utilized/ Co-processed (MT) during the year |
|----------|---|---|---------------------------------|--|
| <b>A</b> | <b>Commonly Recyclable HW</b>   |   |                                 |  |
| 1        | Brass Dross   | 3   | 318                             | 0.25   |
| 2        | Zinc Bearing Wastes   | 4   | 6850                            | 262  |
| 3        | Copper Bearing Waste  | 6   | 2828                            | 12.57  |
| 4        | Spent catalyst containing nickel, cadmium, Zinc, copper, arsenic, vanadium and cobalt | 8   | 26353                           | 2329.2   |
| 5        | Lead bearing waste including battery waste  | 7   | 3388                            | 710.63   |
| 6        | E-Waste   | 0   | 0                               | 0  |
| 7        | Paint and ink Sludge/residues   | 0   | 0                               | 0  |
| 8        | Used oil  | 5   | 13426                           | 301.588  |
| 9        | Waste Oil   | 1   | 10500                           | 0  |
|          | <b>Total</b>  | <b>34</b>   | <b>63663</b>                    | <b>3616.238</b>  |
| <b>B</b> | <b>Utilization of HW under Rule 9</b>   |   |                                 |  |

| S.No     | Type of Recycling Facilities   | No of Facilities authorized for recycling / utilization / Co-processing of HW | Total Authorized Capacity (MTA) | Quantity Recycled/ Utilized/ Co-processed (MT) during the year |
|----------|--|---|---------------------------------|--|
|          | Utilization of pre-processed Used Anode Butt to produce Green Anodes through Anode- Baking Process for use in Aluminium Smelters.  | 1   | 100000                          | 76381  |
|          | De-contamination of contaminated drums/ containers / barrels   | 2   | 650                             | 12   |
|          | Utilization of Aluminium Dross generated from refining and casting house of Aluminium smelter units to recover Aluminium Metal   | 23  | 105250                          | 10774  |
|          | Utilization of Vanadium Sludge generated from Alumina refineries for production of Vanadium metal.   | 7   | 12030                           | 1642   |
|          | Utilization of Phenolic Waste water generated from Coal Gasifier Condensate water for quenching of hot gases in After Burning Chamber of Direct reduced iron (DRI) kiln of sponge iron industry. | 2   | 5820                            | 2986.38  |
|          | <b>Total</b>   | <b>35</b>   | <b>223750</b>                   | <b>91795.38</b>  |
| <b>C</b> | <b>Co-processing in Cement Plants</b>  | 5   | 287211.52                       | 15639.918  |

Table 5(g): Chhatisgarh-List of Authorized Recyclers/ Utilizers/Co-processors

| S. No. | Name and Address of the Facility                                     | Type of Hazardous Waste authorized for recycling | Authorized Recycling / Utilization / Co-Processing Capacity (MTA) | Quantity Recycled / Utilized / Co-Processed (MTA) |
|--------|--|--|---|---|
| 1      | M/s Columbia Petro Chemicals 22 I/A Bhanpuri Raipur (C.G)            | Used oil/Spent oil                               | 3200 KL/Annum   | 301.58 KL   |
| 2      | M/s Accumulator Industries Near Hindustan Tiles I/A Bhanpuri, Raipur | Lead Acid Battery Plates/Lead Scrap              | 568 MT/Y  | 185.6 MT/Y  |



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| S. No. | Name and Address of the Facility   | Type of Hazardous Waste authorized for recycling   | Authorized Recycling / Utilization / Co-Processing Capacity (MTA) | Quantity Recycled / Utilized / Co-Processed (MTA) |
|--------|--|--|---|---|
| 3      | M/s RefracastMetallurgicals (P) Ltd. (Unit-2),   | Spent catalyst containing nickel, Spent catalyst containing Cobalt & Vanadium  | 3000 MT/Y   | 680.8 MT/Y  |
|        | 23 Industrial Area, Post – Birgaon, Raipur   |  |   |   |
| 4      | M/s RefracastMetallurgicals (P) Ltd. (Unit-1),<br>23 Industrial Area, Post – Birgaon, Raipur | Spent catalyst containing nickel, Spent catalyst containing Cobalt & Vanadium  | 3000 MT/Y   | -   |
| 5      | M/s Arth Metallurgicals Pvt. Ltd., Village – Lalpur, Dharsiwa, Dist. –Raipur                 | Vanadium Sludge  | 5000 MT/Y   | 41.5 MT/Y   |
|        |  | Spent catalyst containing Nickal   | 1500 Tonne/Y  | 1291.4 MT/Y                                       |
|        |  | Spent catalyst containing Cobalt   | 900 Tonne/Y   | 357 MT/Y  |
|        |  | Zinc ash & Residues including zinc alloy residues in dispersible form  | 600 Tonne/Y   | 22.6 MT/Y   |
|        |  | Lead acid battery plates & other Lead scrap/ ashes/ residues   | 100 Tonne/Y   | -   |
| 6      | M/s Refmet Technologies Pvt. Ltd., SatyaVihar, Pacheda, Tehsil- Arang, District- Raipur      | Spent catalyst containing Copper, Spent catalyst containing Nickle, Spent catalyst containing Zinc, Copper Reverds, Cakes, Residues & Slag from Copper Processing. | 1000 MTY  | -   |
| 7      | M/s R. K. Industries, Ring Road No.-2, Village-Gondwara, District- Raipur                    | Lead acid battery plates & lead scrap  | 300 MT/Y  | 142 MT/Y  |
| 8      | M/s Shivam Motors, Industrial Area – Birkoni,  | Brass dross  | 150 MT/Y  |   |

| S. No. | Name and Address of the Facility  | Type of Hazardous Waste authorized for recycling  | Authorized Recycling / Utilization / Co-Processing Capacity (MTA) | Quantity Recycled / Utilized / Co-Processed (MTA)    |
|--------|---|---|---|--|
|        | District- Mahasamund  | Copper dross  | 150 MT/Y  |  |
|        |   | Lead acid battery plates & lead scrap   | 700 MT/Y  | 153.2  |
| 9      | M/s Madhav Agro Chem Pvt. Ltd., 24 , Industrial Area – Bhanpuri, District- Raipur                       | Zinc dross hot dip galvanizers slab, Zinc dross- bottom dross, zinc ash/skimming arising from galvanizers & diecasting operations, Zinc ash/skimming/other zinc bearing wastes arising from smelting & refining | 5500 MT/Y   | 4.2 MT/Y   |
| 10     | M/s Om Chemical Industries, Industrial Area – Urla, District- Raipur                                    | Zinc ash  | 500 MT/Y  | 235.1 MT/Y   |
| 11.    | M/s Ambuja Cement Eastern Ltd (Cement Plant) PO - Rawan , Distt - Balodabazar- Bhatapara (Co-Processor) | 1. ETP Sludge (BASF India Ltd, Mangalore)/Similar industries/ Sectors   | 10 T/Day  | Mixture of process and utility sludge 6233.89 Tonnes |
|        |   | 2. Toluene Di Isocyanate Tar and TDI Tar (M/s Narmada Chematur Petrochemicals Ltd., Bharuch) Aniline Plant/TDI Plant/Similar industries/ Sectors  | 20 T/Day  | PTA contaminated 4.1 Tonnes                          |
|        |   | 3. Paint Sludge (Automobile Sector)   | 30 T/Day  | Oil soaked cotton waste -4.1 Tonnes                  |
|        |   | 4. Refinery Sludge (M/s Chennai Petrochemicals Company Ltd, Chennai)/Similar industries/Sectors   | 30 T/Day  | Chemical sludge from ETP – 20.42 Tonnes              |

| S. No. | Name and Address of the Facility | Type of Hazardous Waste authorized for recycling   | Authorized Recycling / Utilization / Co-Processing Capacity (MTA) | Quantity Recycled / Utilized / Co-Processed (MTA) |
|--------|----------------------------------|--|---|---|
|        |                                  | 5. Phosphate Sludge (Ford India Ltd, Chennai) (Automobile Sector)/Similar industries/Sectors                 | 11 T/Day  | FE salt, ETP sludge, mixed sludge-1579.79 Tonnes  |
|        |                                  | 6. N Butanol Salt (M/s Jubilant Organosys Ltd, Mysore) (Pharmaceutical industry)/ Similar industries/Sectors | 12 T/Day  | Spent Carbon – 12.025 Tonnes                      |
|        |                                  | 7. Spent Carbon (Hindustan Coca Cola Beverages Pvt Ltd, Bangalore)/Similar industries/ Sectors               | 23 T/Day  | Used PPE – 133.47 Tonnes                          |
|        |                                  | 8. ETP Bio Solid (Hindustan Coca Cola Beverages Pvt Ltd, Bangalore)/Similar industries/Sectors               | 25 T/Day  | Insulation waste – 33.87 Tonnes                   |
|        |                                  | 9. WTP Sludge (Hindustan Coca Cola Beverages Pvt Ltd, Bangalore)/Similar industries/Sectors                  | 22 T/Day  | Mixed salt – 8.7 Tonnes                           |
|        |                                  | 10. Solar Evaporation Pond Sludge Salt (M/s Jubilant Organosys Ltd, Mysore)/Similar industries/Sectors       | 12 T/Day  | ETP sludge – 806.4 Tonnes                         |
|        |                                  | 11. Oily Rags (Ford India Ltd, Chennai)(Automobile Sector)/Similar industries/Sectors                        | 3 T/Day   | SPL – 506 Tonnes                                  |

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|--------|----------------------------------|---|---|---|
|        |                                  | 12. Grinding dust (SKF India Ltd., Bangalore) Automobile Bearings/Similar industries/ Sectors | 9 T/Day   |   |
|        |                                  | 13. Liquid Organic Solvent (Pharma industry)/Similar industries/ Sectors                      | 15 T/Day  |   |
|        |                                  | 14. Solid Organic Solvent (Pharmaceutical industry)/Similar industries/Sectors                | 15 T/Day  |   |
|        |                                  | 15. ETP Sludge (Automobile Industry)/Similar industries/ Sectors                              | 20 T/Day  |   |
|        |                                  | 16. Spent Catalyst (IOCL, Barauni) Oil Refinery/Similar industries/ Sectors                   | 33 T/Day  |   |
|        |                                  | 17. Organic Residue (Reprocessing of used oil)/Similar industries/ Sectors                    | 13 T/Day  |   |
|        |                                  | 18. Spent clay (Reprocessing of used oil)/Similar industries/ Sectors                         | 13 T/Day  |   |
|        |                                  | 19. Acid Tar Sludge (M/s Bhilai Steel Plant, Durg)/Similar industries/Sectors                 | 25 T/Day  |   |

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|--------|----------------------------------|--|---|---|
|        |                                  | 20. ETP Sludge (KEC International Ltd) infrastructure Engineering, Procurement and Construction (EPC)/Similar industries/Sectors | 25 T/Day  |   |
|        |                                  | 21. Contaminated plastic waste (Board and Paper industries, Vapi, Gujarat)/Similar industries/Sectors                            | 10 T/Day  |   |
|        |                                  | 22. Liquid Organic Spent Solvent (Pharma Industries)   | 10 T/Day  |   |
|        |                                  | 23. Incineration Ash (Tata Motors, Jamshedpur) Automobile sector/Similar industries/ Sectors                                     | 5 T/Day   |   |
|        |                                  | 24. Waste/residue containing oil (National Engineering Industry) Bearings manufacturing/Similar industries/ Sectors              | 1.68 T/Day  |   |
|        |                                  | 25. Process waste/residue (M/s Cheminova India Ltd,) Pesticide industry/Similar industries/ Sectors                              | 15 T/Day  |   |
|        |                                  | 26. Dismantled Lube/Fuel oil filter (M/s Diesel Loco Shed, Itarsi)/Similar industries/ Sectors                                   | 19 T/Day  |   |

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|--------|----------------------------------|--|---|---|
|        |                                  | 27. Mixed waste (distillation residue, residue and waste, spent catalyst and spent carbon and date expired medicine and off specification drugs) pharma Industry/Similar industries/ Sectors | 25 T/Day  |   |
|        |                                  | 28. Process/distillation residue and wastes pharma industries/ Similar industries/Sectors  | 20 T/Day  |   |
|        |                                  | 29. ETP Sludge and other Process sludge (M/s Lanxes India Pvt Ltd.) Ion exchange resin chemicals manufacturing/Similar industries/ Sectors   | 20 T/Day  |   |
|        |                                  | 30. Grinding muck (M/s Bosch Ltd) Mechanical and electronic diesel control pumps manufacturing/ Similar industries/Sectors   | 20 T/Day  |   |
|        |                                  | 31. Plastic waste (hazardous waste) N R Agarwal Industries Ltd paper manufacturing from waste paper/ Similar industries/Sectors  | 15 T/Day  |   |

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|--------|----------------------------------|---|---|---|
|        |                                  | 32. Distillation residue (both liquid and solid) and spent carbon (pharma industry)/ Similar industries/Sectors   | 20 T/Day  |   |
|        |                                  | 33. ETP sludge of M/s Tata Steel Ltd, Tube Div, Jamashedpur and M/s Indian Steel and Wire Products Ltd, Jharkhand Steel and Wire Products/ Similar industries/Sectors | 20 T/Day  |   |
|        |                                  | 34. Spent pot lining from M/s BALCO, KorbaAluminium Smelter Plant/Similar industries/Sectors  | 12 T/Day  |   |
|        |                                  | 35. Chemical ETP Sludge from M/s Merck Ltd., Goa pharma company/Similarindustries/ Sectors  | 25 T/Day  |   |
|        |                                  | 36. Boiler carbon from M/s Syngenta India Ltd. Goa Pesticide/Agro chemical industrie/Similar industries/Sectors   | 15 T/Day  |   |
|        |                                  | 37. Off specification products and ETP sludge from M/s Lupin Ltd, Goa PharmaCompany/Similar industries/Sectors  | 15 T/Day  |   |

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|--------|---|---|---|---|
|        |   | 38. Date expired medicines and off specification drugs Torrent Pharma Ltd, kadi, Gujarat/Similar industries/Sectors | 15 T/Day  |   |
| 12.    | M/s Lafarge India Pvt. Ltd Sonadih Cement Plant PO-Raseda, Distt - Balodabazar-Bhatapara (C.G.) (Co-Processor)          | Waste mix solid (Plastic & resin & waste/low density solid waste),  | 25275 MT/Y  | 3237.067  |
|        |   | waste mix liquid  | 49245 MT/Y  | 73.2 MT/Y   |
|        |   | TDI Tar waste   | 2400 MT/Y   | 322.45 MT/Y                                       |
|        |   | Waste mix solid and waste mix liquid (from GEPIL Telangana)   | 12000 MT/Y  | -   |
| 13.    | M/s Rawan Cement Works (Unit of Ultra Tech Cement Ltd.) Grasim Vihar, RawanDistt - Balodabazar-Bhatapara (Co-Processor) | Spent Catalyst/Spent Carbon of Pharma Industries  | 200 MT/Day  |   |
|        |   | Liquid Organic Spent Solvent of Pharmaceutical Industries (Spent Organic Solvents)                                  | 276 MT/Day  | 184.93  |
|        |   | Solid Organic Spent Sovent Of Pharmaceutical Industries (Spent Organic Solvents)                                    | 267 MT/Day  | 1700  |



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|--------|----------------------------------|--|---|---|
|        |                                  | Paint Sludge Generated From Automobile Sector (Process Wastes, Residues & Sludge)                          | 450 MT/Day  |   |
|        |                                  | Phosphate Sludge Of Automobile Industry  | 48 MT/Day   |   |
|        |                                  | Grinding Dust From Automobile Industry   | 19 MT/Day   |   |
|        |                                  | Oily Rags Generated From Automobile Sector   | 7 MT/Day  |   |
|        |                                  | ETP Sludge Of Automobile Industries (Chemical Sludge From Waste Water Treatment)                           | 185 MT/Day  |   |
|        |                                  | ETP sludge of textile industries (Chemical Sludge From Waste Water Treatment)                              | 185 MT/Day  |   |
|        |                                  | Spent Catalyst Generated From Oil Refinery   | 95 MT/Day   |   |
|        |                                  | Refinery sludge (oily sludge/emulsion)   | 450 MT/Day  |   |
|        |                                  | ETP Bio-Solid waste generated from soft drink industries (Spent ion exchange resin containing toxic metal) | 65 MT/Day   |   |

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|--------|----------------------------------|--|---|---|
|        |                                  | WTP sludge generated from soft drink industries (Spent ion exchange resin containing toxic metal)  | 71 MT/Day   |   |
|        |                                  | Spent Carbon generated from soft drink industries (Spent ion exchange resin containing toxic metal)  | 73 MT/Day   |   |
|        |                                  | Process waste & residues of pesticide/agro chemical industries   | 95.54 MT/Day  |   |
|        |                                  | Chemical ETP sludge of Pesticide/agro chemical industries  | 23.8 MT/Day   |   |
|        |                                  | Date expired, disarded and off-specification drugs/medicines of Pharma industries  | 23.5 MT/Day   |   |
|        |                                  | Process/Distillation residues and wastes of Pharma industries  | 120 MT/Day  |   |
|        |                                  | Dismantled lube/fuel oil filter of Diesel loco shed/automobile industry  | 27 MT/Day   |   |
|        |                                  | Waste/residues (sludge from process) and filters & filter material of polymer industries/Epoxy resin and hardness manufacturing industries | 81 MT/Day   |   |

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|--------|---|---|---|---|
|        |   | Acid tar sludge (M/s Bhilai steel plant, Durg/iron and steel industries)            | 51 MT/Day   |   |
|        |   | Spent pot Lining (from M/s Balco, Korba/primary Aluminium smelter plant)            | 17 MT/Day   |   |
| 14.    | M/s Ultra Tech Cement Limited, Hirmi Cement Works Hirmi, Distt - Balodabazar-Bhatapara (Co-Processor) | Refinery sludge   | 15000 T/Y   |   |
|        |   | Spent catalyst generated from oil refinery  | 6000 T/Y  |   |
|        |   | Grinding dust generated from automobile industry                                    | 2628 T/Y  |   |
|        |   | Oily rags generated from automobile industry  | 972 T/Y   |   |
|        |   | Phosphate sludge of automobile Industries   | 4000 T/Y  |   |
|        |   | Paint sludge generated from automobile sector                                       | 12000 T/Y   |   |
|        |   | Spent carbon of pharma industries   | 4000 T/Y  |   |
|        |   | Liquid and Solid organic spent solvent of pharmaceutical industries                 | 15000 T/Y   |   |
|        |   | ETP Sludge from Automobile industries and textile industries                        | 12000 T/Y   |   |
|        |   | ETP Bio-solid waste, WTP sludge and Spent carbon generated from soft drink industry | 12000 T/Y   |   |

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|--------|----------------------------------|--|---|---|
|        |                                  | Date expired, Discarded & off-specification drugs/medicines of pharma industries         | 3974 T/Y  |   |
|        |                                  | Process/Distillation residues and wastes of pharma industries                            | 20304 T/Y   | 728.84  |
|        |                                  | PTA waste mix from M/s MCC PTA india corporation Pvt. LTd., West Bengal                  | 4579 T/Y  |   |
|        |                                  | Process waste & residue pesticides/agro chemical industries                              | 16186 T/Y   |   |
|        |                                  | Chemical ETP sludge of agro chemical industries  | 4032 T/Y  |   |
|        |                                  | Dismantled lube/fuel loco shed   | 4608 T/Y  |   |
|        |                                  | Waste/residues (sludge from process) and filters & filter material of polymer industries | 13709 T/Y   |   |
|        |                                  | Spent pot lining (SPL) from M/s Balco, Korba   | 2880 T/Y  | 50.24   |
|        |                                  | Acid Tar Sludge (from Bhilai steel plant/iron and steel industries)                      | 6000 T/Y  |   |
|        |                                  | 15.  | M/s Shree Raipur Cement Plant, (A Unit of Shree Cement Ltd.), Vill.- Khaparadih,<br>Teh.- Simga, Distt.- Raipur | Acid Tar Sludge                                   |

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|--------|---|---|---|---|
| 16.    | M/s. R.N. Enterprises, P.H. No. 13/11, Kh.No. 451/1, Village-Chhapora, Dharsiwa, Distt.-Raipur (C.G.) | Flue gas dust and other particulates and process residue                            | 1200 MT/Y   | 116.25 MT/Y                                       |
| 17.    | M/s R.K.Metal, Plot No. 20, Metal Park, Rawabhata, Raipur, Distt.- Raipur                             | Drosses and waste from treatment of salt sludge                                     | 3000 MT/Y   | 51.25 MT/Y  |
| 18.    | M/s Chanda Metals & Engineering, Plot no. 111 Industrial Growth Centre Phase II Siltara Raipur        | Drosses and waste from treatment of salt sludge                                     | 2000 MT/Y   | 40 MT/Y   |
| 19.    | M/s Arise Chemicals Industries Pvt. Ltd., Plot No. 567-A, Industrial Area Urla, Distt.- Raipur        | Drosses and waste from treatment of salt sludge                                     | 9000 MT/Y   | 792.9 MT/Y  |
| 20.    | M/s Shivam Metallurgical Pvt. Ltd., plot No. 16/1, Industrial Area, Siltara, Raipur, Distt.- Raipur   | Drosses and waste from treatment of salt sludge                                     | 13200 MT/Y  | 1471.3 MT/Y                                       |
| 21.    | M/s Hi-tech metafluxes 354, Sect. C. Industrial area urla, Distt.- Raipur                             | Drosses and waste from treatment of salt sludge                                     | 4000 MT/Y   | 49.3 MT/Y   |
|        |   | Flue gas dust and other particulates and process residue                            | 7200 MT/Y   | 40 MT/Y   |
| 22.    | M/s Nikita Metallurgical Pvt. Ltd., Shed No.-06, Phase-I, Industrial Area, Siltara, Distt.- Raipur    | Drosses and waste from treatment of salt sludge                                     | 4350 MT/Y   | 2500 MT/Y   |
| 23.    | M/s P.K. Industries, DhanLaxmi Nagar, Bhanpuri, P.O.- Birgaon, Distt.- Raipur                         | Discarded containers/ barrels/ liners contaminated with hazardous chemicals/ wastes | 350 MT/Y  | 12 MT/Y   |

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|--------|---|---|---|---|
| 24.    | M/s Godawari Power & Ispat Ltd., Plot No.- 428/2, Phase-I Siltara Industrial Area, Distt.- Raipur                                     | Organic Residues (Phenolic Waste Water Containing Organic Residues) | 3630 KL/Y   | 1792.38 MT/Y                                      |
| 25.    | M/s Shri Bajrang Power & Ispat Ltd., Vill.- Tandwa, Teh.- Tilda, Distt.- Raipur   | Organic Residues (Phenolic Waste Water Containing Organic Residues) | 2190 KL/Y   | 1194 MT/Y   |
| 26.    | M/s Mahamaya Calcinations, Plot No.- 73-C & 73-D, Sector- B, Industrial Area, Sirgitti, Bilaspur, Distt.- Bilaspur                    | Drosses and waste from treatment of salt sludge                     | 6000 MT/Y   | 260.73 MT/Y                                       |
| 27.    | M/s Kejriwal Metal Casting, 74-G, Sector-B, Industrial Area, Sirgitti, Bilaspur, Distt.- Bilaspur (C.G.)                              | Drosses and waste from treatment of salt sludge                     | 2800 MT/Y   | 968.5 MT/Y  |
| 28.    | M/s Shri Ram Industries, Plot No. 27-A, Rani Durgawati Industrial Area, Anjani, Pendraroad, Tehsil-Pendraroad, Distt.-Bilaspur (C.G.) | Drosses and waste from treatment of salt sludge                     | 1600 MT/Y   | 272.5 MT/Y  |
| 29.    | M/s Shiv Metal Industries, Maharana Pratap Nagar, Ghuru Ameri Road, Ph. No. 24, Khasra No. 620/5, Bilaspur, Distt.-Bilaspur (C.G.)    | Drosses and waste from treatment of salt sludge                     | 3000 MT/Y   | 278.48 MT/Y                                       |
| 30.    | M/s K.K. Lubes Pvt. Ltd., Plot No.- 4 (Part), Sector- B, Industrial Area Sirgitti, Distt.- Bilaspur                                   | 1. Use/Spent Oil  | 3000KL/Y  | 403.00 MT/Y                                       |
|        |   | 2. Waste/ Residue Containing oil                                    | 3000KL/Y  | Nil   |

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|--------|--|--|---|---|
| 31.    | M/s Aryan Loha& Alloys Pvt. Ltd., Plot No.- 1 & 2, Industrial Area, Boregaon, Distt.- Durg       | Drosses and waste from treatment of salt sludge        | 15000 MT/Y  | -   |
| 32.    | M/s. Golcha Chemicals (Wax Division) 46, Heavy Industrial Area, BhilaiDistt. Durg.               | 1. Used Oil  | 1200 KL/Y   | -   |
|        |  | 2. Waste Oil   | 10500 KL/Y  | -   |
| 33.    | M/s. Supreme Petro Synth Specialities, 15/B, Heavy Industrial Area, HathkhojBhilai, Distt. Durg. | Used oil   | 9000 KL/Y   | -   |
|        |  | Waste/residue containing oil                           | 12000 MT/Y  | -   |
|        |  | Oily sludge emulsion                                   |   |   |
|        |  | Slop oil from waste water                              |   |   |
|        |  | Oil containing cargo residues washing water and sludge |   |   |
|        |  | Sludge & filter contaminated with oil                  |   |   |
|        |  | Spent solvent  |   |   |
|        |  | Oil & grease skimming residue                          |   |   |
|        |  | Tarry residue  | 3000 MT/Y   | Nil   |
|        |  | Decanter tank tar sludge                               |   |   |
|        |  | Tar storage tank residue                               |   |   |

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|--------|--|---|---|---|
|        |  | Benzol acid sludge  |   |   |
| 34.    | M/s. G.N. Chemicals,<br>123/A, Light Industrial Area, Bhilai Distt. Durg                             | Used/spent oil  | 3200 KL/Y   | 5.0 MT/Y  |
|        |  | Waste/residues containing oil   | 320 KL/Y  | Nil   |
| 35.    | M/s Sejal Sales Corporation, Plot no., 11/S,<br>Heavy Industrial Area, Hathkhoj, Bhilai, Distt. Durg | Used/spent oil  | 8000 KL/Y   | Nil   |
|        |  | Wastes/residues containing oil  | 12000 KL/Y  | Nil   |
| 36.    | M/s. Power Pack Industries, 32/D, Light<br>Industrial Area, Bhilai, Distt. Durg                      | Used lead acid battery including grid plates and other lead scrap/ ashes/ residues  | 1000 MT/Y   | 100.28 MT/Y                                       |
|        |  | Insulated copper wire scrap or copper with PVC sheeting including ISRI code material namely "Druidand Jelly field copper cables | 150 MT/Y  | Nil   |
| 37.    | M/s. Shreyansh Industries,   | Copper dross, Brass dross, insulated copper wire scrap, lead acid battery plates and other lead scrap                           | 310 MT/Y  | 0.55 MT/Y   |
|        | 14/A, Light Industrial Area, Bhilai, Distt. Durg.  |   |   |   |
| 38.    | M/s. Sobhawat Metal Industries, Pulgaon,<br>Balod Road, Durg Distt. Durg.                            | Non Ferrous metal bearing sludge and residue  | 2.0 MT/Y  | Nil   |
|        |  | Bross dross   | 200 MT/Y  | 9.07 MT/Y   |
|        |  | Copper dross  | 50 MT/Y   | 12.27 MT/Y  |
|        |  | Copper wire scrape  | 100 MT/Y  | -   |



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|--------|---|---|---|---|
|        |   | Zinc dross & bottom dross   | 50 MT/Y   | Nil   |
| 39.    | M/s. Rover Ferro Tech Pvt. Ltd. Plot No. 05G/A, Hevy Industrial Area HathkhojBhilai, Distt. Durg.                       | Vanadium sludge   | 1200 MT/Y   | 14.5 MT/Y   |
| 40.    | M/s. ADV Metal Combine (P) Ltd., Shed No. 09, Boarai Industrial Growth Centre, Rasmada, District- Durg(C.G.).           | Aluminum Dross (Waste from Treatment of salt slag and black drosses)                                | 2000 MT/Y   | 1.1 MT/Y  |
| 41.    | M/S Simhagiri foundry works Pvt. Ltd. plot no 126 Zone B industrial Growth Center Borai, Rasmada, Distic - Durg (C.G.). | Insulated copper wire scrap or copper with PVC sheeting including ISRI code material namely "Druid" | 1800 MT/Y   | Nil   |
|        |   | Jelly field copper cables   |   |   |
|        |   | Brass dross   | 36 MT/Y   | Nil   |
|        |   | Copper dross  |   |   |
| 42.    | M/s Shri ShyamSteels, plot No.- 78, Fouzi Nagar, Industrial Estate, Bhilai, Distt.- Durg                                | Empty barrels/Liners contaminated with Hazardous Wastes/Chemicals                                   | 300 MT/Y  | Nil   |
| 43.    | M/s Shivansh Green Energy Solution Pvt. Ltd., Vill.- Basin, Teh.- Durg, Distt.- Durg                                    | 1. Drosses and waste from treatment of salt sludge  | 8000 MT/Y   | 724.093 MT/Y                                      |
| 44.    | M/s J. K. Lakshmi Cement Limited, Village- MalpuriKhurd and Khasadih, Tehsil- Dhamdha, Distt.-Durg (C.G.)               | Acid Tar Sludge   | 10 T/Day  | -   |

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|--------|---|--|---|---|
| 45.    | M/s Bansal Metachem, Plot No.- 81/B, Industrial Area,Rajagamar Road, Korba                                  | Drosses and waste from treatment of salt sludge                                  | 600 MT/Y  | 113 MT/Y  |
| 46.    | M/s Matriachhaya Industries, Plot No. 57 B, Industrial Area, Rajagamar Road, Korba, Distt.- Korba           | Drosses and waste from treatment of salt sludge                                  | 3600 MT/Y   | 1000 MT/Y   |
| 47.    | M/s Trade Well Industries, Plot No. 81 A, Industrial Area,Korba, Distt.- Korba                              | Drosses and waste from treatment of salt sludge                                  | 3000 MT/Y   | 957 MT/Y  |
| 48.    | M/s Vinay Industries, Plot No.- 45 B, Industrial Area, Distt.- Korba  | Used Lead acid battery including grid plates and other lead scrap/ashes/residues | 720 MT /Y   | 128 MT/Y  |
| 49.    | M/s R.R. Ferro Alloys (P) Ltd., 65 Industrial Area, Distt.- Korba   | 1. Drosses and waste from treatment of salt sludge                               | 10000 MT/Y  | -   |
|        |   | 2.Vanadium sludge from alumina refineries  | 2400 MT/Y   | 615.38 MT/Y                                       |
|        |   | 3. spent catalyst containing vanadium  | 10000 MT/Y  | -   |
| 50.    | M/s Shiva Industries, 72& 73 Industrial Area, Distt.- Korba   | 1. Drosses and waste from treatment of salt sludge                               | 2000 MT/Y   | 150 MT/Y  |
|        |   | 2.Vanadium sludge from alumina refineries  | 400 MT/Y  | -   |
| 51.    | M/s Star Alloys & Chemicals Pvt. Ltd., Plot No.- 68,69 & 70, Industrial Area, Rajagamar Road, Distt.- Korba | 1.Vanadium sludge from alumina refineries  | 1670 MT /Y  | 970 MT/Y  |

| S. No. | Name and Address of the Facility   | Type of Hazardous Waste authorized for recycling | Authorized Recycling / Utilization / Co-Processing Capacity (MTA) | Quantity Recycled / Utilized / Co-Processed (MTA) |
|--------|--|--|---|---|
| 52.    | M/s Bharat Aluminium Company Ltd., BALCO Nagar, Korba, Distt.- Korba   | Used anode butts                                 | 100000 MT/Y   | 76381 MT/Y  |
| 53.    | M/s Shree NLA Industries, Plot No. 78, Industrial Area, Rajgamar Road, Korba, Distt.- Korba                    | 1. Spent catalyst containinig Vanadium           | 1200 MT/Y   | -   |
|        |  | 2. Vanadium Sludge                               | 1200 MT/Y   | -   |
|        |  | 3. Aluminium Black Dross/Scrap                   | 1200 MT/Y   | 488 MT/Y  |
| 54.    | M/s Jai Maa Rani Sati Metal Industries, Vill.- Kharmora, Teh.- Korba, Distt.- Korba                            | Drosses and waste from treatment of salt sludge  | 2800 MT/Y   | 500 MT/Y  |
| 55.    | M/s Gajanand Metal Industries, Plot No.- 47, Industrial Area Korba   | Drosses and waste from treatment of salt sludge  | 3000 MT/Y   | Nil   |
| 56.    | M/s Sarvamangla Metal Industries, Vill.- Kharmora, Korba   | Drosses and waste from treatment of salt sludge  | 900 MT/Y  | Nil   |
| 57.    | M/s Gurushree Industries Pvt. Ltd., Village-Delari, P.H.No. 15, Khasra No. 43/1 & 45/2, Distt.- Raigarh (C.G.) | Vanadium Sludge                                  | 560 MT/Y  | Nil   |

**Table 5(h): Chhatisgarh-Details of Hazardous waste disposed in Common TSDF(s)**

| 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 Pre-Processed for utilization (MT) | Quantity in Stock at the end of the year (MT) |             | Cumulative HW disposed in SLF by the end of financial year (MT) | Capacity                       |                               |                             |
|-------|------------------------------|---|-------------|---|------------------------------|------------------|---|-------------------------------------|----------------------|---|---|-------------|---|--------------------------------|-------------------------------|-----------------------------|
|       |                              | Landfillable  | Incinerable | For Direct landfill                       | For Landfill after Treatment | For Incineration | Quantity Landfilled directly              | Quantity Landfilled after treatment | Quantity Incinerated |   | Landfillable                                  | Incinerable |   | Capacity of Incinerator (KCal) | Capacity of Incinerator (T/H) | Capacity of Landfill (MT/A) |
|       | Nil                          | Nil   | Nil         | Nil                                       | Nil                          | Nil              | Nil                                       | Nil                                 | Nil                  | Nil   | Nil   | Nil         | Nil   | Nil                            | Nil                           | Nil                         |

**Table 5(i): Chhatisgarh-Details of Hazardous waste disposed in Captive TSDF(s)**

| Sr. No. | Name and Address of Captive Facility  | Type of Facility (landfillable/incinerable/both) | Capacity          |               | HW Disposed during the year (MT) | Commulative HW disposed till the end of financial year (MT) |
|---------|---|--|-------------------|---------------|----------------------------------|---|
|         |   |  | Incinerator (T/H) | Landfill (MT) |                                  |   |
| 1       | M/s Vishnu Chemicals Ltd. Plot NO. 18-26, Industrial Area, Nandini Road, Bhilai Dist.- Durg (C.G) | Landfillable                                     | 0                 | 4,500         | 1860.59                          | 22700   |
| 2       | M/s Bharat Aluminium Company Ltd., Balco Nagar, Korba (C.G)                                       | Landfillable                                     | 0                 | 12250         | 8164                             | 3700  |
| 3       | M/s Deisel Loco Shed, WRS Colony, Post-Pandari, Raipur (C.G)                                      | Incinerator                                      | 0.04              | 0             | 4.7                              | 20  |

**6.**  
**DAMAN & DIU**  
**AND**  
**DADAR & NAGAR HAVELI**  
**(Hazardous waste generation and its Management)**

**Table 6(a): Daman & Diu and Dadra & Nagar Haveli -District-wise details on Hazardous Waste Generation**

| S.No | Name of the District   | Number of HW Generating Industry | Authorized Quantity of Hazardous Waste (Metric Tonne) |             |            |            | *Quantity of Hazardous Waste generated as per Annual Return within the State/UT (Metric Tonne) |             |            |            | Quantity of HW imported during the year (Metric Tonne) | Quantity of HW exported during the year (Metric Tonne) |
|------|------------------------|----------------------------------|---|-------------|------------|------------|--|-------------|------------|------------|--|--|
|      |                        |                                  | Landfillable  | Incinerable | Recyclable | Utilizable | Landfillable   | Incinerable | Recyclable | Utilizable |  |  |
|      |                        |                                  | 1   | 2           | 3          | 4          | 5  | 6           | 7          | 8          |  |  |
| 1    | Daman                  | 106                              | 648.64  | 612.581     | 1674.29    | Nil        | 71.905   | 675.125     | 201.66     | Nil        | 1381.409   | Nil  |
| 2    | Dadar and Nagar Haveli | 256                              | 1034.497  | 856.661     | 6459.638   | Nil        | 1341.27  | 988.308     | 778.1025   | Nil        | 29512.9528   | Nil  |
|      | Total                  | 362                              | 1683.137  | 1469.242    | 8133.928   | 0          | 1413.175   | 1663.433    | 979.7625   | 0          | 30894.3618   | 0  |

**Table 6(b): Daman & Diu and Dadra & Nagar Haveli- 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      | Quantity sent (MT) |
|        |   |  | 12                     |  | 13                 |
| 1      | For disposal at common secured landfill                 | NA   | NIL                    | NA                                     | NIL                |
| 2      | For disposal at common Incinerator                      | NA   | NIL                    | NA                                     | NIL                |
| 3      | For recycling by Schedule IV recyclers                  | Maharashtra and Gujarat                      | 20702.6929             | NA                                     | NIL                |
| 4      | For utilization in co-processing (cement plants)        | NA   | NIL                    | Chhattisgarh                           | 835.18             |
|        |   |  |                        | Gujarat                                | 116.94             |
| 5      | For utilization under Rule 9 (other than co-processing) | Maharashtra                                  | 8810.2599              | NIL                                    | NIL                |

**Table 6(f): Daman & Diu and Dadra & Nagar Haveli -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 Kiln | Other than co-processing | Captive Utilization(other than coloumn 15 & 16) |  | Co-processing in Cement Kiln | Under Rule 9 other than co-processing | Captive Utilization(other than coloumn 19 & 20) |
|       |                        |  |                              |                          |   |  |                              |                                       |   |
| 1     | Daman                  | Nil  | Nil                          | Nil                      | Nil   | 2910.31  | Nil                          | Nil                                   | 2961.68   |
| 2     | Dadar and Nagar Haveli | Nil  | Nil                          | Nil                      | Nil   | 11892.433  | Nil                          | Nil                                   | 8810.2599                                       |
|       | <b>Total</b>           | <b>0</b>   | <b>0</b>                     | <b>0</b>                 | <b>0</b>  | <b>14802.743</b>   | <b>0</b>                     | <b>0</b>                              | <b>11771.9399</b>                               |

**Table 6(d): Daman & Diu and Dadra & Nagar Haveli -Details on Hazardous Waste Disposed**

| S.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 Secured Landfill (MT)                 |          | Quantity Disposed through Incinerator (MT) |          |
|       |                        | Common  | Captive  | Common                                     | Captive  | Common   | Captive  | Common                                     | Captive  |
|       |                        |   |          |  |          |  |          |  |          |
| 1     | Daman                  | 93.08   | Nil      | 769.493                                    | Nil      | Nil  | Nil      | Nil  | Nil      |
| 2     | Dadar and Nagar Haveli | 2322.614  | Nil      | 1125.883                                   | Nil      | Nil  | Nil      | Nil  | Nil      |
|       | <b>Total</b>           | <b>2415.694</b>   | <b>0</b> | <b>1895.376</b>                            | <b>0</b> | <b>0</b>   | <b>0</b> | <b>0</b>                                   | <b>0</b> |

**Table 6(e): Daman & Diu and Dadra & Nagar Haveli -Details on Hazardous Waste Stored at Occupier Premises**

| S.No | Name of the District   | Total Quantity of HW stored at Occupier premises at the beginning of the financial year i.e. 01.04.2017 (MT) |                |            |                 | Total Quantity of HW stored at Occupier premises during the financial year i.e. 1st April to 31st March 2018 (MT) |                 |            |                  |
|------|------------------------|--|----------------|------------|-----------------|---|-----------------|------------|------------------|
|      |                        | Landfillable   | Incinerable    | Recyclable | Utilizable      | Landfillable  | Incinerable     | Recyclable | Utilizable       |
|      |                        | 30   | 31             | 32         | 33              | 34  | 35              | 36         | 37               |
| 1    | Daman                  | 258  | 78.6           | Nil        | 1495.361        | 565.653   | 398.154         | Nil        | 3667.388         |
| 2    | Dadar and Nagar Haveli | 676  | 199.713        | Nil        | 1836.432        | 1341.27   | 988.308         | Nil        | 12102.143        |
|      | <b>Total</b>           | <b>934</b>   | <b>278.313</b> | <b>0</b>   | <b>3331.793</b> | <b>1906.923</b>   | <b>1386.462</b> | <b>0</b>   | <b>15769.531</b> |

**Table 6(f): Daman & Dadra Nagar Haveli -Details on Recycling / Utilization/Co-Processing of Hazardous Waste**

| S.No     | Type of Recycling Facilities  | No of Facilities authorized for recycling / utilization / Co-processing of HW | Total Authorized Capacity (MTA) | Quantity Recycled/ Utilized/ Co-processed (MT) during the year |
|----------|---|---|---------------------------------|--|
| <b>A</b> | <b>Commonly Recyclable HW</b>   |   |                                 |  |
| 1        | Brass Dross   | 4   | 7382.4                          | 4778.1822  |
| 2        | Zinc Bearing Wastes   | 4   | 10910                           | 4835.3265  |
| 3        | Copper Bearing Waste  | 5   | 28187.6                         | 5189.1723  |
| 4        | Spent catalyst containing nickel, cadmium, Zinc, copper, arsenic, vanadium and cobalt | Nil   | Nil                             | Nil  |
| 5        | Lead bearing waste including battery waste  | Nil   | Nil                             | Nil  |
| 6        | E-Waste   | Nil   | Nil                             | Nil  |
| 7        | Paint and ink Sludge/residues   | Nil   | Nil                             | Nil  |
| 8        | Used oil  | Nil   | Nil                             | Nil  |
| 9        | Waste Oil   | Nil   | Nil                             | Nil  |
|          | <b>Total</b>  | <b>13</b>   | <b>46480</b>                    | <b>14802.681</b>   |
| <b>B</b> | <b>Utilization of HW under Rule 9</b>   | 0   | 0                               | 0  |



**Table 6(g): Daman & Diu and Dadra & Nagar Haveli -List of Authorized Recyclers/ Utilizers/Co-processors**

| 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) |
|------|--|--|---|--|
| 1    | M/s RHJ Industries Pvt. Ltd., Plot No. 3,4,5, Bharat Indl. Estate, Bhimpore, Daman.  | Copper Druid, Copper Ash, Residues and cake, Copper dross, Copper oxide mill scale, copper skimming, copper reverts, brass dross, zinc dross, zinc ash & residue | 4350 MTA  | 2961.68  |
| 2    | M/s Dhakad Metal Corporation, 341/4, Bharat Indl. Estate, Bhimpore, Nani, Daman      | Brass dross, Copper dross, Copper scraps & Brass scraps  | 2700 MTA  | 0  |
| 3    | M/s Metal Gems, 113 to 120, Panchal Udhyog Nagar, Bhimpore, Daman.                   | Copper Druid   | 15000   | 0  |
| 4    | M/S Nico Extrusion Pvt. Ltd., Plot No. 4, Before Naroli Check Post, Naroli, Silvassa | Brass dross, Copper dross, Copper Residues, Copper oxide, mill scale, Copper Druid   | 9360  | 6519   |
| 5    | M/s Singhal Commodities Pvt. Ltd., 47/1/1/1, 47/1/1/2 & 47/1/3, Kherdi, Silvassa     | Brass dross, Copper dross, Zinc Dross  | 3600  | 2966.598                                       |
|      |  | Zinc ash and residue, copper reverts, cake and residue   | 5670  |  |
| 6    | M/s RHJ Metals Pvt. Ltd., Sr. No. 47/1/4 & 47/1/1/3, Khrdi, DNH                      | Copper oxide mill scale, copper reverts, cake and residue & Copper alloy indispensable   | 5500  | 2406.835                                       |
|      |  | Brass dross, Copper dross, Zinc Dross, Zinc residue, zinc ash and skimming   | 1200  |  |
| 7    | M/s Oyster Industries Pvt. Ltd. , Sr. No. 290/1, Near Sugar Factory, Surangi, DNH    | Used awste tyres (B3140 of Sch-III) 23760 MT/A   | 5400  | 8810.259                                       |

Table 6(h): Daman &amp; Diu and Dadra &amp; Nagar Haveli -Details of Hazardous waste disposed in Common TSDF(s)

| 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 Pre-Processed for utilization (MT) | Quantity in Stock at the end of the year (MT) |             | Cumulative HW disposed in SLF by the end of financial year (MT) | Capacity           |                   |                 |
|------|---|---|-------------|--|------------------------------|------------------|---|-------------------------------------|----------------------|---|---|-------------|---|--------------------|-------------------|-----------------|
|      |   | Landfillable  | Incinerable | For Direct landfill                        | For Landfill after treatment | For Incineration | Quantity Landfilled directly              | Quantity Landfilled after treatment | Quantity Incinerated |   | Landfillable                                  | Incinerable |   | Incinerator (KCal) | Incinerator (T/H) | Landfill (MT/A) |
| 1    | Green Gene Enviro Protection & Infrastructure (D&NH) Pvt. Ltd. Survey Number 9/1, Village Mota Randha, Silvassa, UT-D*NH, Pin Code-396230 | 0   | 44.664      | 2136.77                                    | 180.4                        | 1620.89          | 2045.2                                    | 277.43                              | 1125.83              | 0   | 458.369                                       | 539.722     | 1864.24   | 2.5MK cal/hr       | 0.5 T/H           | 2,00,000 MTA    |

**Table 6(i): Daman & Diu and Dadra & Nagar Haveli -Details of Hazardous waste disposed in Captive TSDF(s)**

| S. No. | Name and Address of Captive facility   | Type of facility (landfillable/Incinerable/both) | Capacity          |                 | HW disposed during the year | Cumulative HW disposed till the end of financial year |
|--------|--|--|-------------------|-----------------|-----------------------------|---|
|        |  |  | Incinerator (T/H) | Landfill( MT/A) |                             |   |
| 1      | Green Gene Enviro Protection &Infrastructure (D&NH) Pvt. Ltd. Survey Number 9/1, Village Mota Randha, Silvassa, UT-D*NH, Pin Code-396230 | both   | 2.5 Mkal/hr       | 200000 MT/A     | 3448.477 MT                 | 31982.796 MT  |

# **7. DELHI (Hazardous waste generation and its Management)**

**Table 7(a): Delhi -District-wise details on Hazardous Waste Generation**

| S.No. | Name of the District | Number of HW Generating Industry | Authorized Quantity of Hazardous Waste |                 |                |            | *Quantity of Hazardous Waste generated as per Annual Return within the State/UT |                 |                |            | Quantity of HW imported during the year(Metric Tonne) | Quantity of HW exported during the year(Metric Tonne) |
|-------|----------------------|----------------------------------|--|-----------------|----------------|------------|---|-----------------|----------------|------------|---|---|
|       |                      |                                  | Landfillable(MT)                       | Incinerable(MT) | Recyclable(KL) | Utilizable | Landfillable(MT)  | Incinerable(MT) | Recyclable(KL) | Utilizable |   |   |
|       |                      | 1                                | 2                                      | 3               | 4              | 5          | 6   | 7               | 8              | 9          | 10  | 11  |
| 1     | Central              | 3                                | 24.4                                   | N/A             | 4.15           | N/A        | 24.15   | N/A             | 3              | N/A        | N/A   | N/A   |
| 2     | East                 | 3                                | 5.314                                  | N/A             | 15.4           | N/A        | 2.0078  | N/A             | 13             | N/A        | N/A   | N/A   |
| 3     | New Delhi            | 21                               | 336.44                                 | N/A             | 29.71          | N/A        | 22.8  | N/A             | 8.03           | N/A        | N/A   | N/A   |
| 4     | North                | 39                               | 820.26                                 | N/A             | 77.55          | N/A        | 414.79  | N/A             | 75.48          | N/A        | N/A   | N/A   |
| 5     | North East           | 6                                | 50.3                                   | N/A             | 3              | N/A        | 45.95   | N/A             | 2.4            | N/A        | N/A   | N/A   |
| 6     | North West           | 34                               | 1848.3                                 | N/A             | 172.86         | N/A        | 1755.16   | N/A             | 162.65         | N/A        | N/A   | N/A   |
| 7     | Shahdara             | 52                               | 724.73                                 | N/A             | 440.4          | N/A        | 663.555   | N/A             | 412.6          | N/A        | N/A   | N/A   |
| 8     | South                | 15                               | 91.03                                  | N/A             | 2.275          | N/A        | 81.5  | N/A             | 1.575          | N/A        | N/A   | N/A   |
| 9     | South East           | 48                               | 245.27                                 | N/A             | 131.69         | N/A        | 173.23  | N/A             | 86.96          | N/A        | N/A   | N/A   |
| 10    | South West           | 10                               | 374.122                                | N/A             | 15.9           | N/A        | 356.245   | N/A             | 1.15           | N/A        | N/A   | N/A   |
| 11    | West                 | 70                               | 1309.08                                | N/A             | 10.69          | N/A        | 1211.81   | N/A             | 9.7            | N/A        | N/A   | N/A   |
|       | <b>TOTAL</b>         | <b>301</b>                       | <b>5829.246</b>                        | <b>N/A</b>      | <b>903.625</b> | <b>N/A</b> | <b>4751.198</b>   | <b>N/A</b>      | <b>776.545</b> | <b>N/A</b> | <b>N/A</b>  | <b>N/A</b>  |

**Table 7(b): Delhi- 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      | Quantity sent (MT) |
|        |   |  | 12                     |  | 13                 |
| 1      | For disposal at common secured landfill                 | NA   | NA                     | NA                                     | NA                 |
| 2      | For disposal at common Incinerator                      | NA   | NA                     | NA                                     | NA                 |
| 3      | For recycling by Schedule IV recyclers                  | NA   | NA                     | NA                                     | NA                 |
| 4      | For utilization in co-processing (cement plants)        | NA   | NA                     | NA                                     | NA                 |
| 5      | For utilization under Rule 9 (other than co-processing) | NA   | NA                     | NA                                     | NA                 |

**Table 7(c): Delhi-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 Kiln | Other than co-processing | Captive Utilization(other than coloumn 15 & 16) |  | Co-processing in Cement Kiln | Under Rule 9 other than co-processing | Captive Utilization(other than coloumn 19 & 20) |
|       |                      | 14   | 15                           | 16                       | 17  | 18   | 19                           | 20                                    | 21  |
| 1     | N/A                  | N/A  |                              |                          |   |  |                              |                                       |   |

**Table 7(d): Delhi-Details on Hazardous Waste Disposed**

| S.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 Secured Landfill (MT)                 |         | Quantity Disposed through Incinerator (MT) |         |
|       |                      | Common  | Captive | Common                                     | Captive | Common   | Captive | Common                                     | Captive |
|       |                      | 22  | 23      | 24   | 25      | 26   | 27      | 28   | 29      |
|       | NA                   | N/A   |         |  |         |  |         |  |         |

**Table 7(e): Delhi-Details on Hazardous Waste Stored at Occupier Premises**

| S.No. | Name of the District | Total Quantity of HW stored at Occupier premises at the beginning of the financial year i.e. 01.04.2017 |             |                |            | Total Quantity of HW stored at Occupier premises during the financial year i.e. 1st April to 31st March 2018 |             |                |            |
|-------|----------------------|---|-------------|----------------|------------|--|-------------|----------------|------------|
|       |                      | Landfillable(MT)  | Incinerable | Recyclable(KL) | Utilizable | Landfillable(MT)   | Incinerable | Recyclable(KL) | Utilizable |
|       |                      | 30  | 31          | 32             | 33         | 34   | 35          | 36             | 37         |
| 1     | CENTRAL              | 24.15   | N/A         | 3              | N/A        | 24.4   | N/A         | 4.15           | N/A        |
| 2     | EAST                 | 2.0078  | N/A         | 13             | N/A        | 5.314  | N/A         | 15.4           | N/A        |
| 3     | NEW DELHI            | 22.8  | N/A         | 8.03           | N/A        | 336.44   | N/A         | 29.71          | N/A        |
| 4     | NORTH                | 414.79  | N/A         | 75.48          | N/A        | 820.26   | N/A         | 77.55          | N/A        |
| 5     | NORTH EAST           | 45.95   | N/A         | 2.4            | N/A        | 50.3   | N/A         | 3              | N/A        |
| 6     | NORTH WEST           | 1755.16   | N/A         | 162.65         | N/A        | 1848.3   | N/A         | 172.86         | N/A        |
| 7     | SHAHDARA             | 663.555   | N/A         | 412.6          | N/A        | 724.73   | N/A         | 440.4          | N/A        |
| 8     | SOUTH                | 81.5  | N/A         | 1.575          | N/A        | 91.03  | N/A         | 2.275          | N/A        |
| 9     | SOUTH EAST           | 173.23  | N/A         | 86.96          | N/A        | 245.27   | N/A         | 131.69         | N/A        |
| 10    | SOUTH WEST           | 356.245   | N/A         | 1.15           | N/A        | 374.122  | N/A         | 15.9           | N/A        |
| 11    | WEST                 | 1211.81   | N/A         | 9.7            | N/A        | 1309.08  | N/A         | 10.69          | N/A        |
| 12    | <b>TOTAL</b>         | <b>4751</b>   | <b>N/A</b>  | <b>777</b>     | <b>N/A</b> | <b>5829.246</b>  | <b>N/A</b>  | <b>904</b>     | <b>N/A</b> |

**Table 7(f): Delhi-Details on Hazardous Waste Stored at Occupier Premises**

| S.No | Type of Recycling Facilities   | No of Facilities authorized for recycling / utilization / Co-processing of HW | Total Authorized Capacity (MTA) | Quantity Recycled/ Utilized/ Co-processed (MT) during the year |
|------|--------------------------------|---|---------------------------------|--|
| A    | Commonly Recyclable HW         |   |                                 |  |
| B    | Utilization of HW under Rule 9 |   |                                 |  |
| C    | Co-processing in Cement Plant  |   |                                 |  |

**Table 7(g): Delhi-Details on Recycling / Utilization/Co-Processing of Hazardous Waste**

| 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) |
|------|----------------------------------|--|---|--|
| 1    | NIL                              | NIL  | NIL   | NIL  |



Table 7(h) : Delhi-Details of Hazardous waste disposed in Common TSDF(s)

| 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 Pre-Processed for utilization (MT) | Quantity in Stock at the end of the year (MT) |             | Cumulative HW disposed in SLF by the end of financial year (MT) | Capacity           |                   |                 |
|------|------------------------------|---|-------------|--|------------------------------|------------------|---|-------------------------------------|----------------------|---|---|-------------|---|--------------------|-------------------|-----------------|
|      |                              | Landfillable  | Incinerable | For Direct landfill                        | For Landfill after treatment | For Incineration | Quantity Landfilled directly              | Quantity Landfilled after treatment | Quantity Incinerated |   | Landfillable                                  | Incinerable |   | Incinerator (KCal) | Incinerator (T/H) | Landfill (MT/A) |
| NIL  |                              |   |             |  |                              |                  |   |                                     |                      |   |   |             |   |                    |                   |                 |

Table 7(i): Delhi-Details of Hazardous waste disposed in Captive TSDF(s)

| S. No. | Name and Address of Captive facility | Type of facility (landfillable/ Incinerable/ both) | Capacity          |                 | HW disposed during the year | Cumulative HW disposed till the end of financial year |
|--------|--------------------------------------|--|-------------------|-----------------|-----------------------------|---|
|        |                                      |  | Incinerator (T/H) | Landfill (MT/A) |                             |   |
| Nil    |                                      |  |                   |                 |                             |   |

# **8. GOA (Hazardous waste generation and its Management)**

**Table 8(a): Goa -District-wise details on Hazardous Waste Generation**

| S.No. | Name of the District | Number of HW Generating Industry | Authorized Quantity of Hazardous Waste (Metric Tonne) |                 |                  |            | *Quantity of Hazardous Waste generated as per Annual Return within the State/UT (Metric Tonne) |                   |                  |                | Quantity of HW imported during the year(Metric Tonne) | Quantity of HW exported during the year(Metric Tonne) |
|-------|----------------------|----------------------------------|---|-----------------|------------------|------------|--|-------------------|------------------|----------------|---|---|
|       |                      |                                  | Landfillable  | Incinerable     | Recyclable       | Utilizable | Landfillable   | Incinerable       | Recyclable       | Utilizable     |   |   |
|       |                      |                                  | 1   | 2               | 3                | 4          | 5  | 6                 | 7                | 8              |   |   |
| 1     | North Goa            | 674 (**177)                      | 7701.12   | 41053.3         | 5992.566         |            | 90.755   | 17196.772         | 273.0476         | 1945.864       | #54200.372  | NIL   |
| 2     | South Goa            | 766 (**172)                      | 10535.88  | 6531.11         | 4163.57          |            | 2955.178   | 1701.7641         | 1308.5171        | 576.096        | #23539.012  | NIL   |
|       | <b>Total</b>         | <b>1440</b>                      | <b>18237</b>  | <b>47584.41</b> | <b>10156.136</b> |            | <b>3045.933</b>  | <b>18898.5361</b> | <b>1581.5647</b> | <b>2521.96</b> | <b>77739.384</b>                                      | <b>0</b>  |

\*\*Number of units submitted annual returns

# Other waste listed in part D Schedule III.

\* This 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 the quantity of hazardous waste imported and received from other states/UTs either for recycling/utilization or disposal.

Note: Other units such as Kilo Litres or Numbers shall be converted into Metric Tonnes and therefore, the quantity of hazardous waste shall be reported only in Metric Tonne.

**Table 8(b): Goa- 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      | Quantity sent (MT) |
|        |   |  | 12                     |  | 13                 |
| 1      | For disposal at common secured landfill                 | ---  | 0                      | ---                                    | 0                  |
| 2      | For disposal at common Incinerator                      | ---  | 0                      | Maharashtra                            | 2479.31            |
| 3      | For recycling by Schedule IV recyclers                  | ---  | 0                      | Kerala                                 | 93.19              |
|        |   |  |                        | Maharashtra                            | 820.76             |
| 4      | For utilization in co-processing (cement plants)        | ---  | 0                      | Chhattisgarh                           | 20.42              |
|        |   |  |                        | Karnataka                              | 1220.226           |
| 5      | For utilization under Rule 9 (other than co-processing) | ---  | 0                      | Gujarat                                | 252.65             |
|        |   |  |                        | Maharashtra                            | 745.04             |

**Table 8(c): Goa-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 Kiln | Other than co-processing | Captive Utilization(other than coloumn 15 & 16) |  | Co-processing in Cement Kiln | Under Rule 9 other than co-processing | Captive Utilization(other than coloumn 19 & 20) |
|       |                      |  |                              |                          |   |  |                              |                                       |   |
| 1     | North Goa            | NIL  | 0                            | 24.605                   | NIL   | 0  | 0                            | 0                                     | 0   |
| 2     | South Goa            | 651 MT   | 0                            | 218.019                  | 41  | 0  | 0                            | 0                                     | 0   |
|       | <b>Total</b>         | <b>651</b>   | <b>0</b>                     | <b>242.624</b>           | <b>41</b>                                       | <b>0</b>   | <b>0</b>                     |                                       | <b>0</b>  |

**Table 8(d): Goa-Details on Hazardous Waste Disposed**

| S.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 Secured Landfill (MT)                 |          | Quantity Disposed through Incinerator (MT) |          |
|       |                      | Common  | Captive        | Common                                     | Captive      | Common   | Captive  | Common                                     | Captive  |
|       |                      | 22  | 23             | 24   | 25           | 26   | 27       | 28   | 29       |
| 1     | North Goa            | 0   | 0              | 0  | 16059        | 0  | 0        | 0  | 0        |
| 2     | South Goa            | 0   | 2952.23        | 0  | 0            | 0  | 0        | 0  | 0        |
|       | <b>Total</b>         | <b>0</b>  | <b>2952.23</b> | <b>0</b>                                   | <b>16059</b> | <b>0</b>   | <b>0</b> | <b>0</b>                                   | <b>0</b> |

**Table 8(e): Goa-Details on Hazardous Waste Stored at Occupier Premises**

| S.No. | Name of the District | Total Quantity of HW stored at Occupier premises at the beginning of the financial year i.e. 01.04.2017 (MT) |             |            |            | Total Quantity of HW stored at Occupier premises during the financial year i.e. 1st April to 31st March 2018 (MT) |                 |             |                |
|-------|----------------------|--|-------------|------------|------------|---|-----------------|-------------|----------------|
|       |                      | Landfillable   | Incinerable | Recyclable | Utilizable | Landfillable  | Incinerable     | Recyclable  | Utilizable     |
|       |                      | 30   | 31          | 32         | 33         | 34  | 35              | 36          | 37             |
| 1     | North Goa            | 1320.3   |             |            |            | 299.013   | 282.441         | 8.838       | 74.57          |
| 2     | South Goa            |  |             |            |            | 7.572   | 78.4189         | 0.142       | 81.415         |
|       | <b>Total</b>         | <b>0</b>   |             |            |            | <b>306.585</b>  | <b>360.8599</b> | <b>8.98</b> | <b>155.985</b> |

**Table 8(f) Goa-Details on Recycling / Utilization/Co-Processing of Hazardous Waste**

| S.No     | Type of Recycling Facilities                               | No of Facilities authorized for recycling / utilization / Co-processing of HW | Total Authorized Capacity (MTA) | Quantity Recycled/ Utilized/ Co-processed (MT) during the year |
|----------|--|---|---------------------------------|--|
| <b>A</b> | <b>Commonly Recyclable HW</b>                              |   |                                 |  |
| 1        | Waste Oil  | 1   | 14580                           | 651  |
|          | <b>Total</b>   | <b>1</b>  | <b>14580</b>                    | <b>651</b>   |
| <b>B</b> | <b>Utilization of HW under Rule 9</b>                      |   |                                 |  |
| 1        | Recovery of solvents from spent solvents                   | 1   | 360                             | 74.456   |
| 2        | De-contamination of contaminated drums/containers/ barrels |   |                                 | *242.624   |

| S.No     | Type of Recycling Facilities          | No of Facilities authorized for recycling / utilization / Co-processing of HW | Total Authorized Capacity (MTA) | Quantity Recycled/ Utilized/ Co-processed (MT) during the year |
|----------|---------------------------------------|---|---------------------------------|--|
|          | <b>Total</b>                          | <b>1</b>  | <b>360</b>                      | <b>317.08</b>  |
| <b>C</b> | <b>Co-processing in Cement Plants</b> |   |                                 | **1240.646   |

\* The hazardous waste arising from De-contamination of contaminated drums/containers/Batteries etc. The waste is decontaminated within the unit premises and same is re used/ sent for recycling as a non-hazardous waste.

\*\* Waste sent for co-processing facilities outside the state. (Karnataka and Chhattisgarh)

**Table 8(g): Goa-List of Authorized Recyclers/ Utilizers/Co-processors of Hazardous Waste**

| 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) |
|----------|---|--|---|--|
| <b>1</b> | M/s Canacona Hydro carbons,<br>Plot No. 87 & 89, Canacona Industrial Estate, Canacona Goa.                          | Waste oil (5.2)  | 16200 KL/A  | 651 MT   |
| <b>2</b> | M/s Ashutosh Industries,<br>C/o Shri Allabakash M. Fakir,<br>Plot No. A-40, Madkaim Industrial Estate, Madkaim Goa. | Spent Solvents (20.2)<br>Spent Organic Solvent<br>(28.5) | 30 MT/Month   | 74.456 MT                                      |

**Table 8(h): Goa-Details of Hazardous waste disposed in Common TSDF(s)**

| 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 Pre-Processed for utilization (MT) | Quantity in Stock at the end of the year (MT) |             | Cumulative HW disposed in SLF by the end of financial year (MT) | Capacity           |                   |                 |
|---------------------------------------|------------------------------|---|-------------|--|------------------------------|------------------|---|-------------------------------------|----------------------|---|---|-------------|---|--------------------|-------------------|-----------------|
|                                       |                              | Land fillable                                       | Incinerable | For Direct landfill                        | For Landfill after treatment | For Incineration | Quantity Landfilled directly              | Quantity Landfilled after treatment | Quantity Incinerated |   | Landfillable                                  | Incinerable |   | Incinerator (KCal) | Incinerator (T/H) | Landfill (MT/A) |
| No common TSDF available in the State |                              |   |             |  |                              |                  |   |                                     |                      |   |   |             |   |                    |                   |                 |

**Table 8(i): Goa-Details of Hazardous waste disposed in Captive TSDF(s)**

| 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 (T/H)                          | Landfill (MT/A) |                                  |  |
| 1      | M/s Nicomet Industries Ltd.<br>Plot No.: Quarry Portion within Cuncolim IDC allotted by GIDC, Plot No.: L15, 19, 20 Cuncolim IDC Salcete, Goa, Cuncolim- 403 703. | Captive Landfillable Site                        | 0  | 106846          | 2952.23                          | 79166.23   |
| 2      | M/s Deccan Fine Xchemicals (India) Pvt. Ltd.<br>Santa Monica Works, Corlim, Illhas, Goa- 403 110  | Incinerable                                      | 3500 T/M<br>2600 T/M<br>(Not in operation) | 0               | 16059                            | 16059  |
|        | <b>Total</b>  |  | <b>8.47 T/H</b>                            | <b>106846</b>   | <b>19011.23</b>                  | <b>95225.23</b>  |

# **9.**

# **GUJARAT**

## **(Hazardous waste generation and its Management)**



**Table 9(a): Gujarat -District-wise details on Hazardous Waste Generation**

| S.No. | Name of the District | Number of HW Generating Industry | Authorized Quantity of Hazardous Waste (Metric Tonne) |             |            |            | Quantity of Hazardous Waste generated as per Annual Return within the State/UT (Metric Tonne) |             |            |            | Quantity of HW imported during the year(Metric Tonne) | Quantity of HW exported during the year(Metric Tonne) |
|-------|----------------------|----------------------------------|---|-------------|------------|------------|---|-------------|------------|------------|---|---|
|       |                      |                                  | Landfillable  | Incinerable | Recyclable | Utilizable | Landfillable  | Incinerable | Recyclable | Utilizable |   |   |
|       |                      |                                  | 1   | 2           | 3          | 4          | 5   | 6           | 7          | 8          |   |   |
| 1     | Ahmedabad            | 3454                             | 12,85,698   |             |            |            | 345622.54   |             |            |            | -   | -   |
| 2     | Anand                | 451                              | 4,00,892  |             |            |            | 95902.98  |             |            |            | -   | -   |
| 3     | Ankleshwar           | 1252                             | 43,67,994   |             |            |            | 1165291.94  |             |            |            | -   | -   |
| 4     | Bharuch              | 357                              | 24,33,728   |             |            |            | 527980.63   |             |            |            | -   | -   |
| 5     | Bhavnagar            | 536                              | 28,93,727   |             |            |            | 15286.36  |             |            |            | -   | -   |
| 6     | Gandhinagar          | 1005                             | 5,36,026  |             |            |            | 59967.83  |             |            |            | -   | -   |
| 7     | Godhra               | 767                              | 4,99,784  |             |            |            | 21227.16  |             |            |            | -   | -   |
| 8     | Jamnagar             | 788                              | 5,13,379  |             |            |            | 47871.14  |             |            |            | -   | -   |
| 9     | Jetpur               | 1374                             | 2,635   |             |            |            | 834.23  |             |            |            | -   | -   |
| 10    | Junagadh             | 280                              | 8,83,665  |             |            |            | 582714.00   |             |            |            | -   | -   |
| 11    | Kutch                | 691                              | 3,84,070  |             |            |            | 56741.31  |             |            |            | -   | -   |
| 12    | Mehsana              | 714                              | 5,61,215  |             |            |            | 215707.18   |             |            |            | -   | -   |
| 13    | Morbi                | 1305                             | 55,983  |             |            |            | 41457.18  |             |            |            | -   | -   |
| 14    | Nadiad               | 378                              | 2,24,355  |             |            |            | 29150.78  |             |            |            | -   | -   |
| 15    | Navsari              | 264                              | 34,652  |             |            |            | 4850.10   |             |            |            | -   | -   |
| 16    | Palanpur             | 305                              | 11,591  |             |            |            | 1022.51   |             |            |            | -   | -   |
| 17    | Porbandar            | 166                              | 5,59,413  |             |            |            | 10.35   |             |            |            | -   | -   |
| 18    | Rajkot               | 998                              | 73,911  |             |            |            | 6466.01   |             |            |            | -   | -   |
| 19    | Surat                | 1830                             | 6,24,308  |             |            |            | 193628.28   |             |            |            | -   | -   |
| 20    | Surendranagar        | 524                              | 16,816  |             |            |            | 445.59  |             |            |            | -   | -   |
| 21    | Vadodara             | 1531                             | 33,46,487   |             |            |            | 475821.50   |             |            |            | -   | -   |
| 22    | Vapi                 | 1199                             | 19,93,381   |             |            |            | 464250.16   |             |            |            | -   | -   |
|       | <b>Total</b>         | <b>20169</b>                     | <b>217,03,726</b>                                     |             |            |            | <b>4352249.76</b>   |             |            |            | -   | -   |

**Note:** Total hazardous waste generated is 4.35 million MT but district-wise type of is not available. However, approx. landfillable 1.61 million MT, recyclable/utilizable 2.21 million MT and incinerable 0.53 million MT can be considered.

**Table 9(b): Gujarat- 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      | Quantity sent (MT) |
|        |   |  | 12                     |  | 13                 |
| 1      | For disposal at common secured landfill                 | 0  | 0                      | 0                                      | 0                  |
| 2      | For disposal at common Incinerator                      | 0  | 0                      | 0                                      | 0                  |
| 3      | For recycling by Schedule IV recyclers                  | 0  | 0                      | 0                                      | 0                  |
| 4      | For utilization in co-processing (cement plants)        | 0  | 0                      | Rajasthan                              | 1,73,437           |
| 5      | For utilization under Rule 9 (other than co-processing) | 0  | 0                      | 0                                      | 0                  |

**Table 9(c): Gujarat-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 Kiln | Other than co-processing | Captive Utilization(other than coloumn 15 & 16) |  | Co-processing in Cement Kiln | Under Rule 9 other than co-processing | Captive Utilization(other than coloumn 19 & 20) |
|       |                      |  |                              |                          |   |  |                              |                                       |   |
| 1     | Ahmedabad            | 15989  | 0                            | 1454                     | 451977  | NIL  |                              |                                       |   |
| 2     | Anand                | 228  | 0                            | 0                        | 30886   |  |                              |                                       |   |
| 3     | Ankleshwar           | 3024   | 0                            | 26678                    | 176588  |  |                              |                                       |   |

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| 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) |  |
|-------|----------------------|--|---------------|--------------|----------------|---|--|
|       |                      |  |               |              |                |   |  |
| 4     | Bharuch              | 6673   | 0             | 0            | 34142          |   |  |
| 5     | Bhavnagar            | 2266   | 177097        | 362          | 1506           |   |  |
| 6     | Gandhinagar          | 3380   | 10522         | 0            | 25406          |   |  |
| 7     | Godhra               | 11632  | 0             | 103          | 8636           |   |  |
| 8     | Jamnagar             | 1947   | 10289         | 0            | 50099          |   |  |
| 9     | Jetpur               | 0  | 0             | 0            | 3              |   |  |
| 10    | Junagadh             | 0  | 223549        | 0            | 130            |   |  |
| 11    | Kutch                | 8401   | 10070         | 0            | 8046           |   |  |
| 12    | Mehsana              | 6126   | 0             | 461          | 57549          |   |  |
| 13    | Morbi                | 42   | 0             | 16133        | 21             |   |  |
| 14    | Nadiad               | 949  | 0             | 432          | 14264          |   |  |
| 15    | Navsari              | 1769   | 0             | 0            | 0              |   |  |
| 16    | Palanpur             | 132  | 0             | 0            | 90             |   |  |
| 17    | Porbandar            | 0  | 39606         | 0            | 25             |   |  |
| 18    | Rajkot               | 3153   | 1488          | 0            | 0              |   |  |
| 19    | Surat                | 1082   | 4551          | 4370         | 8868           |   |  |
| 20    | SurendraNgr          | 2530   | 0             | 0            | 0              |   |  |
| 21    | Vadodara             | 13549  | 0             | 2577         | 224029         |   |  |
| 22    | Vapi                 | 2042   | 0             | 24830        | 205869         |   |  |
|       | <b>Total</b>         | <b>84914</b>   | <b>477172</b> | <b>77400</b> | <b>1298134</b> |   |  |

**Table 9(d): Gujarat-Details on Hazardous Waste Disposed**

| S.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 Secured Landfill (MT)                 |         | Quantity Disposed through Incinerator (MT) |         |
|       |                      | Common  | Captive | Common                                     | Captive | Common   | Captive | Common                                     | Captive |
|       |                      | 22  | 23      | 24   | 25      | 26   | 27      | 28   | 29      |
| 22    | 22 districts         | 942299  | 88642   | 59984                                      | 36208   | 0  | 0       | 0  | 0       |

**Table 9(e): Gujarat-Details on Hazardous Waste Stored at Occupier Premises**

| S.No. | Name of the District | Total Quantity of HW stored at Occupier premises at the beginning of the financial year i.e. 01.04.2017 (MT) |             |            |            | Total Quantity of HW stored at Occupier premises during the financial year i.e. 1st April to 31st March 2018 (MT) |             |            |            |
|-------|----------------------|--|-------------|------------|------------|---|-------------|------------|------------|
|       |                      | Landfillable   | Incinerable | Recyclable | Utilizable | Landfillable  | Incinerable | Recyclable | Utilizable |
|       |                      | 30   | 31          | 32         | 33         | 34  | 35          | 36         | 37         |
| 1     | Ahmedabad            | 141437   |             |            |            | 70945   |             |            |            |
| 2     | Jetpur               | 158  |             |            |            | 2209  |             |            |            |
| 3     | SurendraNgr          | 228  |             |            |            | 202004  |             |            |            |
| 4     | Ankleshwar           | 65878  |             |            |            | 918793  |             |            |            |
| 5     | Vadodara             | 138939   |             |            |            | 60690   |             |            |            |
| 6     | Palanpur             | 382  |             |            |            | 202580  |             |            |            |
| 7     | Porbandar            | 13   |             |            |            | 21  |             |            |            |
| 8     | Kutch                | 13932  |             |            |            | 7806  |             |            |            |
| 9     | Junagadh             | 4984   |             |            |            | 14632   |             |            |            |
| 10    | Bharuch              | 27815  |             |            |            | 56070   |             |            |            |
| 11    | Vapi                 | 190410   |             |            |            | 180684  |             |            |            |
| 12    | Godhra               | 4578   |             |            |            | 8337  |             |            |            |
| 13    | Nadiad               | 3868   |             |            |            | 10004   |             |            |            |
| 14    | Rajkot               | 715  |             |            |            | 119   |             |            |            |
| 15    | Anand                | 14928  |             |            |            | 12166   |             |            |            |
| 16    | Jamnagar             | 3989   |             |            |            | 16684   |             |            |            |
| 17    | Mehsana              | 115121   |             |            |            | 75438   |             |            |            |
| 18    | Navsari              | 346  |             |            |            | 917   |             |            |            |
| 19    | Bhavnagar            | 14650  |             |            |            | 16365   |             |            |            |
| 20    | Gandhinagar          | 14060  |             |            |            | 20761   |             |            |            |
| 21    | Morbi                | 9447   |             |            |            | 45917   |             |            |            |
| 22    | Surat                | 158  |             |            |            | 34717   |             |            |            |
|       | <b>Total</b>         | <b>781713</b>  |             |            |            | <b>1958859</b>  |             |            |            |

**Note:** (i) Opening stock is 0.78 million MT out of which about 0.3 MMT Landfillable; 0.18 MMT Incinerable; 0.3 MMT Recyclable and Utilizable (ii) Closing stock is 1.95 million MT out of which about 0.64 MMT Landfillable; 0.46 MMT Incinerable; 0.85 MMT Recyclable and Utilizable

**Table9(f): Gujarat-Details on Recycling / Utilization/Co-Processing of Hazardous Waste**

| S.No     | Type of Recycling Facilities  | No of Facilities authorized for recycling / utilization / Co-processing of HW | Total Authorized Capacity (MTA) | Quantity Recycled/ Utilized/ Co-processed (MT) during the year |
|----------|---|---|---------------------------------|--|
| <b>A</b> | <b>Commonly Recyclable HW</b>   |   |                                 |  |
| 1.       | Brass Dross   | 135   | 91427                           | 53935  |
| 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  | 45  | 248350                          | 12005  |
| 6.       | E-Waste   | 18  | 55202.92                        | 1234   |
| 7.       | Paint and ink Sludge/residues   | 1   | 132                             | 0  |
| 8.       | Used oil  | 79  | 263554                          | 17740  |
| 9.       | Waste Oil   |   |                                 |  |
|          | <b>Total</b>  | <b>278</b>  | <b>658665.92</b>                | <b>84914</b>   |
| <b>B</b> | <b>Utilization of HW under Rule 9</b>   |   |                                 |  |
| 1.       | Recovery of solvents from spent solvents  | 39  | 110258                          | 22343.735  |
| 2.       | Utilization of Coal Tar/Tarry Residue generated from coal gasifier for energy recovery in Sodium silicate industry.   | 14  | 56337                           | 20825  |
| 3.       | De-contamination of contaminated drums/containers/ barrels  | 8   | 10296                           | 4211   |
| 4.       | Utilization of Spent fixer (hypo) solution generated from Photography / X-rays films to recover Silver metal  | 1   | 360                             | 0  |
| 5.       | Utilization of Vanadium Sludge generated from Alumina refineries for production of Vanadium metal   | 1   | 4452                            | 4040   |
| 6.       | Utilisation of Spent Phosphoric Acid generated during manufacturing of Quinacridone Pigment for production of Di-basic Calcium Phosphate  | 1   | 2458                            | 0  |
| 7.       | Utilisation of Spent Sulphuric Acid generated during manufacturing of Vinyl Sulphone for production of H-acid   | 1   | 12000                           | 461.17   |
| 8.       | Utilization of Chemical Sludge (Primary sludge) of ETP from Pulp & Paper Industry For energy recovery in Atmospheric Fluidized Bed Combustion (OW) Boiler/Pressurized Fluidized Bed Combustion (PFBC) Boiler/Circulating Fluidized Bed Combustion (CFBC) Boiler for steam or electricity generation | 1   | 43200                           | 17187  |

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| S.No     | Type of Recycling Facilities  | No of Facilities authorized for recycling / utilization / Co-processing of HW | Total Authorized Capacity (MTA) | Quantity Recycled/ Utilized/ Co-processed (MT) during the year |
|----------|---|---|---------------------------------|--|
| 9.       | Utilization of spent HCL generated from steel rolling mill for producing ferric chloride  | 1   | 7200                            | 362  |
| 10.      | Waste mix liquid, Solid waste mix   | 2   | 63500                           | 7671.931   |
|          | <b>Total</b>  | <b>69</b>   | <b>310061</b>                   | <b>77102</b>   |
| <b>C</b> | <b>Co-processing in Cement Plants</b>   |   |                                 |  |
| 1        | Ambuja Cements Ltd. Plot no.: 315-320,351, 352,395-401<br>Ambujanagar, Dist-Gir-Somnath-362715  | Cement Industries for Co-processing   | 255550                          | 197591   |
| 2        | Ultratech Cement Limited, Sr. No. 164, 268 & 270, Vill: Kovaya, Ta. Rajula, Dist. Amreli  | Cement Industries for Co-processing   | 2509699                         | 164393   |
| 3        | M/s. Sanghi Industries Limited, PO: Sanghipuram, Tal:Abadasa, Dist: Kutch   | Cement Industries for Co-processing   | 292000                          | 6373   |
| 4        | Ultra Tech Cement Ltd.<br>Unit- Sewagram Cement Works<br>Kutch  | Cement Industries for Co-processing   | 450000                          | 3697   |
| 5        | Gujarat Sidhee Cement Limited,<br>Sidheeegram, Off Veraval-Kodinar<br>Highway, Tal:Sutrapada,<br>Dist: Junagadh – 362 276                       | Cement Industries for Co-processing   | 43000                           | 25958  |
| 6        | Shree Digvijay Cement Co. Ltd.,<br>S.R. No. 44,43,28,23,4249,48,4546,47,5051/1,<br>51/2,52,53, Digvijay Gram, At- Sikka,<br>Ta & Dist: Jamnagar | Cement Industries for Co-processing   | 78000                           | 10289  |
| 7        | Saurashtra Cement Ltd.,<br>Ranavav, Tal: Ranavav,<br>Dist Porbandar   | Cement Industries for Co-processing   | -                               | 39606  |
| 8        | J.K Laxmi , Gandhinagaar  | Cement Industries for Co-processing   | 60000                           | 10522  |
| 9        | J.K Laxmi , Surat   | Cement Industries for Co-processing   | -                               | 4551   |
| 10       | Hi Bond Cement Rajkot   | Cement Industries for Co-processing   | 166520                          | 1488   |
| 11       | Ultratech Cement Ltd – Jafrabad Works   | Cement Industries for Co-processing   | 33600                           | 12704  |
| 12       | Others (Interstate)   | For Co-processing   |                                 | 173437   |
|          | <b>TOTAL</b>  | <b>11</b>   | <b>3888369</b>                  | <b>650609</b>  |

**Table 9(g): Gujarat-List of Authorized Recyclers/ Utilizers/Co-processors of Hazardous Waste**

| Sr. No | Name and Address of the Facility  | Type of Hazardous Waste Recycled/ Utilize/ Co-processed   | Authorized Recycling/ Utilization/ Co-processing Capacity (MTPA) | Quantity Recycled/ Utilized/ Co-processed (MTPA) |
|--------|---|---|--|--|
| 1      | M/s, Zinco Fine Industries, 8/A , National Highway, Sartanpur, Ta-Wankaner,Rajkot                               | Zinc Dross  | 150 MTPA   | 395.14   |
| 2      | M/s, Atlas Chemical,Plot No. 1005A,Phase IV, GIDC, Naroda,Ahmedabad   | Zinc Ash & Zinc Skimming, Zinc Dross, Residue   | 28.8MTPA   | 11.28  |
| 3      | M/s, Shanti Agro Products, Plot No. C1-B-13,Old GIDC, Kabilpore, Navsari  | Zinc ash, Zinc skimming, Copper oxide mill scale, Copper cakes and Residue, Zinc Bearing waste arising from smelting & Re-Refining, Zinc Ash/ Residue   | 7776 MTPA  | 1769   |
| 4      | M/s Swagat Agro Tech, S.No. 1038, NR. P.A.Patel Oil Mill, Chattral, Kadi Road, At- Chhatral, Tal. Kadi, Mehsana | Zinc Ash, Zinc Scrap, Brass Scrap and Zinc dross  | 2970 MTPA  | 0  |
| 5      | M/s Siddhi Agro Chemicals, Plot No. C-1/38,GIDC Estate, Kalol, Gandhinagar                                      | Zinc Ash / Skimmings  | 2062.44 MTPA   | 847.234  |
| 6      | M/s, Maruti chemicals,Plot No J-2318, Phase III,GIDC Estate, Vapi-396195, Valsad                                | 1) Copper Dross, Copper oxide scale, Copper waste , Copper and copper alloy<br>2) Zinc Dross, Zinc Ash/ skimming Zinc skimming/ Residue   | 1) 480<br>2) 200   | 11.4   |
| 7      | M/s, Super Sulphates,Plot No. 702/9, GIDC, Estate, Vapi - 396195,Valsad   | Copper Dross, Copper Oxide mill scale, Copper reverts cake and Residue, waste copper ane copper alloy in dispersible form, spent cleared matel ctalyst containing copper and slag from copper processing. | 750 MTPA   | 0  |

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| Sr. No | Name and Address of the Facility  | Type of Hazardous Waste Recycled/ Utilize/ Co-processed  | Authorized Recycling/ Utilization/ Co-processing Capacity (MTPA) | Quantity Recycled/ Utilized/ Co-processed (MTPA) |
|--------|---|--|--|--|
| 8      | M/s, Tarunkumar Industries, Plot No: 132, 133, & 134, Gozariya, GIDC, Mehsana   | Copper Scrap, copper Dross, Copper Oxide mill sale   | 450 MTPA   | 263  |
| 9      | M/s, Shine Cera, Plot No 44, GIDC Estate, Motipure, GIDC Office, Himmatnagar, Sabarkantha                                     | Zinc Dross   | 2000 MTPA  | 33.85  |
| 10     | M/s Gujarat Terce Laboratories Ltd. (Old name- Hariom Metal Industries) Plot No. 140/P, Moje-Ramnagar, Ta. Kalol, Gandhinagar | Copper Dross   | 300 MTPA   | 0  |
| 11     | M/s, Mohit Industries, Plot No. 106/2, GIDC, Kalol - 382721, Gandhinagar  | 1. Zinc skimming & Ash,<br>2. Zinc dross   | 1. 600 MTPA<br>2. 540 MTPA                                       | 883.642  |
| 12     | M/s, Navkar Chemicals, Plot No. C-1, 41-2, GIDC Estate, Kalol (N.G.)- 382725, Gandhinagar                                     | Copper Reverts, Copper Residue, Copper Slag, Spent Catalyst Containing Copper  | 240 MTPA   | 0  |
| 13     | M/s, Kissan Agro Fertilizers, Shed No-A-2/2219, 3rd Phase, GIDC-396195, Vapi  | Zinc ash, Zinc Skimming & other Zinc Bearing waste, Copper Oxide Mill scale, copper alloy & waste copper in dispersible form | 450 MTPA   | 107.9733   |
| 14     | M/s, Zinco Chemicals Industries, Plot No. A2, 22/2 & 23, GIDC Estate, Kalol, Gandhinagar                                      | Zinc Ash   | 3000 M.T.  | 11   |
| 15     | M/s, Panchvati Corporation, Plot No. C/1B, 25/7, GIDC Estate, Kalol, Gandhinagar  | Zinc ash, Zinc dross, Brass Dross  | 1200 MTPA  | 0  |
| 16     | M/s, Dharti Zinc, Plot No. 35 GIDC, Motipura, Himmatnagar - 383001 Sabarkantha  | Zinc Dross   | 2000 MTPA  | 384.771  |
| 17     | M/s, Uttam Industries, 907/2, GIDC, Sector-28, Gandhinagar  | Zinc dross, Zinc Ash/ Skimming other zinc bearing wastes arising from smelting and refining, zinc ash/ residue               | 4500 MTPA  | 212.468  |
| 18     | M/s, IFFCO Kandla, Po Kandla, Kutch   | Zinc ash   | 14550 MTPA   | 2110.6   |



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| Sr. No | Name and Address of the Facility   | Type of Hazardous Waste Recycled/ Utilize/ Co-processed  | Authorized Recycling/ Utilization/ Co-processing Capacity (MTPA) | Quantity Recycled/ Utilized/ Co-processed (MTPA) |
|--------|--|--|--|--|
| 19     | M/s, Shreeji Metal Finishing Products, S. No. 162 Nr. Ashirvad Plastic, S.I.D.C. Road, Veraval ( Sapar),Rajkot | Zinc Dross, Copper Dross   | 660 MTPA ,<br>12 MTPA  | 0  |
| 20     | M/s,Tarunkumar Corporation,plot no: 132, 133, &134,Gozariya, GIDC, Mehsana                                     | Zinc Ash, Zinc Skimming, Zinc Dross, Bottom Dross, Brass Dross, Copper Dross, Copper Reverts cake & residue  | 2160 MTPA  | 153  |
| 21     | M/s,Shree Nagbai Chemical & Fertilizer,Plot No 4624, Phase III, GIDC, Dared, Jamnagar                          | Zinc dross   | 1800 MTPA  | 3.186  |
| 22     | M/s,Nahar Granites P.Ltd.,Plot No. 16/1, GIDC Estate, Kalol,Gandhinagar  | Zinc Dross-hot dip galvanizer slab, Zinc Dross-Bottom dross, Zinc ash/skimming arising from galvanizing die casting operations, Zinc Ash/skimming/other zinc bearing wastes arising from smelting & refining, Zinc ash residues including zinc alloy residues in dispersible form, zinc containing dross | 9600 MTPA  | 3675.0179  |
| 23     | M/s,J.D Metal Industries, Plot No.162/B, Kadi Road, Dhanot, Chatral,Gandhinagar                                | Zinc Ash   | 1000 MTPA  | 0  |
| 24     | M/s,Sai Krupa Agro Industries, Plot No-A-2/112,Phase-II, GIDC Estate, Vatva,Ahmedabad                          | Zinc ace,Zinc dross  | 3312 MTPA  | 0  |
| 25     | M/s,Sun Agro Products, Plot no 136-137-1-2-3,GIDC Kalol (N.G),Gandhinagar                                      | Brass Dross, Copper Dross, Copper oxide mill Scale, Copper reverts-cake & residue, spent catalyst containing copper & Zinc Zinc skimming, waste copper & copper alloy in   | 14400 MTPA   | 0  |

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| Sr. No | Name and Address of the Facility   | Type of Hazardous Waste Recycled/ Utilize/ Co-processed   | Authorized Recycling/ Utilization/ Co-processing Capacity (MTPA) | Quantity Recycled/ Utilized/ Co-processed (MTPA) |
|--------|--|---|--|--|
|        |  | dispersible form  |  |  |
| 26     | M/s,Plutus Products, S.No.3903, W Road,GIDC, Phase-III, Dared,Jamnagar                               | Zinc ace, Zinc skimming, Zinc process residue, Zinc dross   | 1500 MTPA  | 0  |
| 27     | M/s,Gayatri Agro, Pl- No. 31,32,33,GIDC Eatate Kukarwada, Tal:Vijapur,Mehsana                        | 1) Zinc sh, Zinc skimming, Zinc bearing waste arising form smelting & refining<br>2) Copper cake & residue, copper dross, waste copper in dispersible form. | 1) 1800 MTPA 2) 2172 MTPA  | 0  |
| 28     | M/s,Saniya Traders, Plot No.30/B, Mamsa Ind. Plot, Nr.Mamsa Patiya, At-Mamsa, Ta-Ghogha,Bhavnagar    | Copper ace, Copper reverts, Copper residue  | 1500 MTPA  | 80.71  |
| 29     | M/s,Clean Agro Industries, Plot No.148/1, Dhanot, Nr. Ankhhol Patiya, Chhatral-kadi Road,Gandhinagar | Zinc ace, Zinc skimming, Zinc residue, Zinc dross, Copper residue   | 3600 MTPA  | 70   |
| 30     | M/s Raj agro, Plot no. 3-4, GIDC,Gojariya, Tal. Vijapur,Mehsana                                      | Zinc Ash/ Brass Dross/ Zinc Dross/ Zinc Residue/ Copper Residue   | 6500 MTPA  | 202.149  |
| 31     | M/s,Mukesh Traders, Plot No-103, GIDC, Highway, Limdi,Surendranagar                                  | Copper ace, Copper dross / Zinc ash, Zinc dross   | 158 / 720 MTPA   | 2.02   |
| 32     | M/s, Ace Inorganic Pvt Ltd., Vijay Industrial Estate,Padra Road, Samiala - 391410,Baroda             | Zinc dross  | 720 MTPA   | 8.9  |
| 33     | M/s,Matrix Industries, Plot No-221/22, GIDC, Rafaleshwar,National Highway 8-A, Morbi,Rajkot          | zinc dross  | 348 MTPA   | 0  |

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| Sr. No | Name and Address of the Facility  | Type of Hazardous Waste Recycled/ Utilize/ Co-processed  | Authorized Recycling/ Utilization/ Co-processing Capacity (MTPA) | Quantity Recycled/ Utilized/ Co-processed (MTPA) |
|--------|---|--|--|--|
| 34     | M/s,Jay Bhawani Metal Industries, Plot No:-211-212, Road No.6F, New Estate, Udhyognagar, Udhna,Surat            | Copper Druid   | 9290 MTPA  | 0  |
| 35     | M/s,Sairam Industries, Plot No. 316, Phase I,GIDC Estate, Chhatral,Gandhinagar                                  | Zinc Ash Zinc Skimming   | 1200 MTPA  | 477.295  |
| 36     | M/s,Gujarat Chlorides, Plot No.190/191,GIDC, Nandesari, 391340,Bharuch  | Zinc Ash, Zinc Skimming, Zinc Bearing wastes arising from Smelting and Refining, Zinc Ash & Zinc Residue including Zinc Alloys residues in dispersible form                                | 1000 MTPA  | 153.16   |
| 37     | M/s,Eurecat India Catalyst Services Pvt. Ltd., Plot No.1, GIDC,Jhagadia,Bharuch                                 | Spent Catalyst Containing Nickel, Copper, Cadmium, Zinc, Arsenic, Vanadium   | 3000 MTPA  | 2062.502   |
| 38     | M/s,Nimisha Chemical,Plot No. 148/149, GIDC Estate, Nandesari,Vadodara  | 1) Zinc Dross/ Zinc Ash/ Zinc Skimming Residue.<br>2) Containing Nickel, Zinc.   | 5844 MTPA  | 210.85   |
| 39     | M/s,R. J. Industries, Plot No 233, Road No. 6/E,New Industrial Estate, Udhna- 394210,Surat                      | Copper Dross, Copper Oxide Mill Scale, Copper Reverts, Cakes & Residues  | 750 MTPA   | 0  |
| 40     | M/s,Krishna Raj Fertichem Pvt. Ltd., Plot No.5/6,Gozariya GIDC,Mehsana  | Zinc ash & Zinc Dross ,Brass dross,Zinc residue, Copper residue  | 15000 MTPA   | 1565.399   |
| 41     | M/s,Lavti Fertilizers & Chemical Pvt. Ltd., Plot No.3261 to 3270 & 3300 to 3308,GIDC, Phase-III, Dared,Jamnagar | Brass Ash/ Zinc Ash/ Zinc Skimming/ Zinc Residue/ Brass Residue/ Zinc Dross/ Copper Residue/ Copper Skimming/ Copper Ash/ Copper Dross/ Brass Dross/ Spent catalyst containing Zinc Copper | 15000 MTPA   | 0.35   |

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| Sr. No | Name and Address of the Facility   | Type of Hazardous Waste Recycled/ Utilize/ Co-processed  | Authorized Recycling/ Utilization/ Co-processing Capacity (MTPA) | Quantity Recycled/ Utilized/ Co-processed (MTPA) |
|--------|--|--|--|--|
| 42     | M/s,Sulfozyme Agro (I) Pvt. Ltd., Plot No.58 to 63, B/h. Ashok Ley Land, GIDC Phase-II, Dared,Jamnagar       | Brass Ash/ Zinc Ash/ Zinc Skimming/ Zinc Residue/ Brass Residue/ Zinc Dross/ Copper Rresidue/ Copper Skimming/ Copper Ash/ Copper Dross/ Brass Dross/ Spent catalyst containing Zinc, Copper | 6000 MTPA  | 345.482  |
| 43     | M/s,Gurukrupa Industries, S.No.84, At. Merwada, Post. Ratanpur,Abu-Ambaji Highway, Ta. Palanpur, Banaskantha | Zinc Ash/ Zinc Residue/ Zinc Skimming/ Zinc Dross/ Brass Dross/ Copper Residue/ Copper Cake/ Copper Dross/ Spent Catalyst containing Zinc, Copper  | 4800 MTPA  | 101.191  |
| 44     | M/s,Shivam Alums & Chemicals, Plot No.7603,GIDC Estate,Ankleshwar  | Zinc dross, Zinc Ash, Zinc Skimming  | 9300 MTPA  | 2172.677   |
| 45     | M/s,Shanti Metal Industries, Plot No.1 & 2, Hapa Industrial Estate,B/h. BSNL Godown,Jamnagar                 | 1) Zinc Ash/ Zinc Residue/ Zinc Skimming/ Waste from Smelting and refining<br>2) Copper Cake/ Mill Scale Wate containing Copper<br>3) Spent Catalyst Containing Copper/ Cadmium Zinc         | 1) 450 MTPA<br>2) 360 MTPA<br>3) 186 MTPA                        | 258.229  |
| 46     | M/s,Hitech Extrusion LLP., Plot No. 3003-3007,GIDC, Phase-III, Dared,Jamnagar                                | Brass Dross/ Copper Dross/ Zinc Dross/ Insulated Copper Wire Scrap/ Copper with PVC sheating including ISRI code material namely Druid   | 7560 MTPA  | 0  |

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| Sr. No | Name and Address of the Facility   | Type of Hazardous Waste Recycled/ Utilize/ Co-processed   | Authorized Recycling/ Utilization/ Co-processing Capacity (MTPA) | Quantity Recycled/ Utilized/ Co-processed (MTPA) |
|--------|--|---|--|--|
| 47     | M/s,Rubamin Limited, Plot no: 13 & 23, 37, 38, 40 to 43, 45 to 48, 113 to 115, Shri Laxmi Industrial Estate, Village Dunia, Ta: Halol,Panchmahal | 1). Spent catalyst containing nickel , Zinc, Copper, Cobalt, Vanadium, Cadmium<br>2) Zinc Residue/ Zinc Dross   | 22452 MTPA 34139 MTPA  | 11632.18   |
| 48     | M/s,Rency Chemicals, Plot No.1309, Kerala GIDC, Ta.Bavala,Ahmedabad  | Zinc ash/Zinc skimming/Zinc dross   | 3240 MTPA  | 0  |
| 49     | M/s,Rubamin Ltd., Plot No.100 & C-1-B-113,Nandesari Notified Area, GIDC, Nandesari,Vadodara  | Zinc Ash/ Zinc Residue/ Zinc Skimming and Brass Dross   | 20160 MTPA   | 3742.721   |
| 50     | M/s,Global Metall Chemie, Plot No.15, GIDC Sojitra,Sojitra-387240, Anand   | 1). Spent catalyst containing nickel 2) Copper Dross, Copper reverts cake, Residue,Slag from copper processing & refining   | 1)607 MTPA<br>2) 631 MTPA  | 227.612  |
| 51     | M/s,Chlorides India, Plot No. E-533 & 534,GIDC Industrial Estate, Dahej,Bharuch  | Zinc Dross/Zinc Ash/Zinc skimming/ other Zinc bearing waste arising from smelting and refining/ Zinc ash & Residue/ Zinc Waste  | 2336 MTPA  | 0  |
| 52     | M/s,Solvex Technology, Plot No.26 & 27, Survey No.395/1 & 2, New Ahmedabad Industrial Estate, Sarkhej-Bavla Highway, Moraiya,Sanand              | Copper Cake/ Copper Waste/ Copper Dross/ Slag/ Residue/ Copper Dross/ Reverts from Copper Processing for further processing and refining/ Spent catalyst containig Copper Scrap | 1260 MTPA  | 511.84   |
| 53     | M/s,Ace Chemie (India), Plot No.1011, NCWI Zone, Near GEB Power House, GIDC, Sarigam-396155,Valsad   | Zinc Ash, Dross, Residue  | 3456 MTPA  | 470.339  |

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| Sr. No | Name and Address of the Facility   | Type of Hazardous Waste Recycled/ Utilize/ Co-processed   | Authorized Recycling/ Utilization/ Co-processing Capacity (MTPA) | Quantity Recycled/ Utilized/ Co-processed (MTPA) |
|--------|--|---|--|--|
| 54     | M/s Swet Chemical Industries, Shed No. C1/B 25/1, 25/5 & 26/2,GIDC Estate, Kalol,Gandhinagar                         | 1. Zinc Ash/ Zinc skimming/<br>Zinc Dust/ Zinc residue/<br>Zinc Dross, Zinc Oxide -<br>6600 MTA<br>2 . Copper Ash/ Residue/<br>Reverts/ Dross/ Mill scale/<br>Spent cleared metal catalyst<br>containing copper cake -<br>420 MTA | 1) 6000 MTA                      2)<br>420 MTA                   | 167.13   |
| 55     | M/s,Shree Brahmani Enterprise, Revenue Survey No. 293/1, Plot No.40-1,Shayona Industrial Estate Ramol Road,Ahmedabad | Zinc Ash  | 4920 MTPA  | 0  |
| 56     | M/s,Atlas Mineral & Chemical Mfg. Co., Plot No. 1005/2,Phase II, GIDC Naroda,Ahmedabad                               | Zinc Ash & Zinc Dross   | 90 MTPA  | 16   |
| 57     | M/s,Sara Chemicals, Plot No. 3205/B, GIDC Estate, Ankleshwar,Bharuch   | 1. Zinc Ash & Residue,<br>Copper Residue<br>2. Spent Catalyst containing<br>Copper & Zinc   | 1800 MTPA,<br>1200 MTPA  | 1170.49  |
| 58     | M/s,Madhu Processors, Block No. 227, Talaja Road, Opp. Sartanpar Patia, Ukharla, Tal- Godha,Bhavnagar                | Zinc Ash/ Residue/ Zinc Skimming/ Zinc Bearing waste arising from smelting and refining/ Zinc dross/ Spent catalyst containing Zinc & Nickel, Copper Residues/ Copper Cakes, Copper Dross   | 4200 MTPA  | 3.45   |

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| Sr. No | Name and Address of the Facility  | Type of Hazardous Waste Recycled/ Utilize/ Co-processed  | Authorized Recycling/ Utilization/ Co-processing Capacity (MTPA) | Quantity Recycled/ Utilized/ Co-processed (MTPA) |
|--------|---|--|--|--|
| 59     | M/s,Balaji Agro & Fertilizers, Plot No. 3583, GIDC, Phase III, Dared,Jamnagar   | 1. Zinc skimming, zinc ash & residue including zinc alloy & residue in dispersible form, Zinc dross 2. Copper dross, copper oxide mill scale, copper reverts, cake & residue, spent cleared metal catalyst containing copper | 1) 420 MTPA<br>2) 120 MTPA                                       | 61.446   |
| 60     | M/s,Transpek Silox Industry Ltd., Survey No.627 to 629 & 633, Kalali Road, Atladra,Vadodara   | Zinc Ash   | 1080 MTPA  | 0  |
| 61     | M/s,Everest Fertilizers and Chemicals Pvt. Ltd., Survey No.178, National Highway-8,Opp-Microwave Station, Vill-Veraval (Shapar), Ta-Kotda Sangani, Rajkot | Zinc dross, Zinc Ash, Zinc Skimming .  | 2000MTPA   | 0  |
| 62     | M/s,New India Extrusion Pvt. Ltd., Plot No.307, GIDC,Umbergaon-396171, Ta.Umbergaon,Valsad  | Brass Dross, Copper Dross/ Ash, Copper Reverts, Cake & Residues, Mill Scale, Waste Copper and Copper Alloys, Druid Cables, Jelly Filled Copper Cables, Zinc Dross, Zinc Ash, Skimming, Residues                              | 3150 MTPA  | 0  |

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| Sr. No | Name and Address of the Facility  | Type of Hazardous Waste Recycled/ Utilize/ Co-processed  | Authorized Recycling/ Utilization/ Co-processing Capacity (MTPA) | Quantity Recycled/ Utilized/ Co-processed (MTPA) |
|--------|---|--|--|--|
| 63     | M/s,Shyam Chemical, Sr. No.222, Ramgadh,<br>Post: Derol, Taluka: Himatnagar, Sabarkantha                | Zinc Ash/ Zinc Skimming/<br>Zinc Residue/ Zinc bearing<br>waste arising from smelting<br>and refining/ Zinc Dross/<br>Spent Cleared Metal Catalyst<br>containing Zinc/ Copper<br>Residues/ Copper Dross/<br>Copper Revert/ Copper<br>Oxide Mill Scale/ Spent<br>Cleared Metal Catalyst<br>containing Copper/ Copper<br>Cake/ Brass Dross | 1500 MTPA  | 0  |
| 64     | M/s,Demosha Chemicals Pvt. Ltd., Plot No.82, GIDC,<br>Gundlav-396035,Valsad                             | Zinc Bottom Dross, Zinc<br>Bearing waste arising from<br>smelting and refining   | 2400 MTPA  | 256.8  |
| 65     | M/s,G. G. Manufacturer, Plot No.439/6,GIDC Estate,<br>Odhav,Ahmedabad                                   | Zinc Bottom Dross, Zinc<br>Bearing waste arising from<br>smelting and refining   | 3500MTPA   | 2623.83  |
| 66     | M/s,JAS Chemical Industries, Plot No.2412, GIDC<br>Sarigam,Valsad                                       | Zinc Ash   | 480 MTPA   | 375.39   |
| 67     | M/s,Manglam Industries, Plot No.36-37, GIDC Estate<br>Lakhtar,<br>Tal: Lakhtar,Surendranagar            | Zinc Dross   | 360 MTPA   | 5.12   |
| 68     | M/s,Jay Somnath Industries., Survey No.426/P2, Hitachi-<br>Indrad Road,Indrad-382715, Tal: Kadi,Mehsana | Brass Dross, Zinc Ingots,<br>Zinc Residue, Spent cleared<br>metal catalyst containing<br>Zinc  | 1500 MTPA  | 485.586  |



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|--------|---|--|--|--|
| 69     | M/s,Mani Agro Industries., Plot No.06, GIDC Matar,Kheda   | 1. Zinc Ash/ Zinc Skimming/<br>Zinc Residue Zinc bearing<br>waste arising from smelting<br>and refining/ Zinc Dross/<br>Spent catalyst containing<br>Zinc<br>2. Copper Ash/ Copper<br>Reverts, Cakes & Residues /<br>Copper Dross/ Copper Mill<br>Scale, Spent catalyst<br>containing Copper, Brass<br>Dross | 1.350 MTPA,<br>2.660 MTPA  | 8.388  |
| 70     | M/s,Asian Alloys, Survey No. 312 Paiki, Opp. Gate No.1 of<br>GIDC Panoli, N.H. No. 8, Bakrol,Ankleshwar | Copper with PVC sheathing<br>including ISRI code material<br>namely Druid & Jelly Filled<br>Copper Cables  | 4800 MTPA  | 851.57   |
| 71     | M/s,Bravo Agro Tech., Plot No: 200, Phase 2,GIDC Estate,<br>Ambawadi,<br>Wadhwan-363035,Surendranagar   | 1. Zinc Ash/ Zinc Skimming/<br>Residue/ Dross, Spent<br>cleared metal catalyst<br>containing Zinc, Brass Dross<br>2. Copper Dross / Copper<br>Reverts, Cakes & Residues /<br>Copper Oxide Mill Scale,<br>Spent cleared metal catalyst<br>containing copper   | 1. 4200 MTPA<br>2. 2400 MTPA                                     | 1170.99  |

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|--------|--|---|--|--|
| 72     | M/s, Canary Smelters Industries, Plot No. E-122, Phase II, Dared, Jamnagar   | Zinc Ash/ Zinc Skimming/ Zinc Residue/ Zinc Dross- Bottom Dross/ Spent catalyst containing Zinc, Copper Dross/ Copper Reverts, Cakes & Residues/ Insulated copper wire druid, Spent catalyst containing Copper, Brass Dross   | 1800 MTPA  | 219.001  |
| 73     | M/s, Sunlite Industries, Plot No.1, Survey No.267, Chhatha Mile, Vill-Dantali-387370, Kheda                        | Insulated Copper Wire Scrap/copper with PVC sheathing including ISRI-code material namely Druid, Jelly filled copper cable, Copper reverts & Residue, Copper Dross  | 6000 MTPA  | 2.345  |
| 74     | M/s, Galaxy Metals & Minerals, Survey No.273, Paikky, Plot No.7, Opp. Century Tiles, At & Po: Gadhoda, Himmatnagar | Zinc Dross- Hot Dip Galvanizers SLAB, Zinc Dross- Bottom Dross, Zinc Ash/ Skimming arising from galvanizing & die casting operations, Zinc ash/ skimming/ other zinc bearing wastes arising from smelting & refining, Zinc ash & residues including zinc alloy residues in dispersible form | 1920 MTPA  | 0  |

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|--------|--|--|--|--|
| 75     | M/s,Rishika Agrochem, Plot No. 131, GIDC, Gozariya,Mehsana                 | Zinc dross Hot dip Galvanizers SLAB, Zinc Dross-Bottom Dross, Zinc Ash/ Skimming arising from Galvanizing and die casting operations, Zink ash/Skimming/other zinc bearing wastes arising from smelting and refining, Zinc Ash and Residues include Zinc Alloys residues in dispersible form, Copper Dross, Copper oxide mill scale, Copper Reverts, Cake and Residue, Spent catalyst containing Zinc & Copper | 1200 MTPA  | 281.309  |
| 76     | M/s,Samruddhi Agro Tech, Plot No.54,55,56, GIDC Estate, Kalol, Gandhinagar | Zinc Ash, Zinc skimming, Zinc Dross-Bottom Dross, Zinc Residue, Brass Dross, Copper Dross, Copper Oxide Mills scale, Copper Revert, Cake & Residue, Spent catalyst containing Zinc and Copper  | 14400 MTPA   | 0  |

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|--------|--|--|--|--|
| 77     | M/s,Diamond Industries, Plot No. 152, GIDC Industrial Estate,<br>Waghodia, Vadodara  | Zinc dross hot dip galvanizers SLAB, zinc dross-bottom dross, Zinc ash/ skimming arising from galvanizing and die casting operations, Zink ash/skimming/other zinc bearing wastes arising from smelting and refining, zinc ash and residues include zinc alloys residues in dispersible form         | 1620 MTPA  | 1248.439   |
| 78     | M/s,Upper India Inorganic Industries Ltd., S.R.No. 241 paikie, Chadasna Village Road,<br>B/H Torrent Pharmaceutical Ltd.,Mehsana | Zinc Dross-hot dip galvanizer slab, Zinc Dross-Bottom dross, Zinc ash/ skimming arising from galvanizing die casting operations, Zinc Ash/skimming/other zinc bearing wastes arising from smelting & refining, Zinc ash residues including zinc alloy residues in dispersible form, Brass dross, etc | 5700 MTPA  | 2326.254   |
| 79     | M/s,Sarjay Chemicals Pvt. Ltd., Plot No.D-2/CH/397, GIDC Dahej II, Ta: Vagra, Bharuch  | Zinc Ash, Skimming, Residue, Draoss  | 10800 MTPA   | 0  |
| 80     | M/s,Singhal Sheets & Foils Pvt Ltd., Plot No.03,04, RS No.57A, J-282/1, 282/3 & 281/3<br>GIDC Estate,Vadodara                    | Waste Copper and Copper Alloy in Dispersible Form  | 4200 MTPA  | 1442.47  |

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|--------|---|--|--|--|
| 81     | M/s,S.J.Coating Inds., Bl.No.227, Talaja Road,Near Modern Const.Co., Ukharla, Ghogha,Bhavnagar                            | Zinc bearing wastes, Copper bearing waste, Spent catalyst containing nickel, cadmium, zinc,copper, arsenic, vanadium and cobalt  | 750 MTA  | 222.054  |
| 82     | M/s,Anandmangal Udyog Kalash LLP., P. No.A/35, Opp. Euro Food, Ichchhapore,GIDC, Ichchhapore - 394510, Tal: Chorasi,Surat | Copper Dross/Oxide mill Scale/Reverts/ Cakes/ Residues/ Slags  | 1200   | 0  |
| 83     | M/s,Jay Jalaram Extrusion., Plot No. 457, GIDC,Shanker Tekri, Udyognagar,Jamnagar   | Zinc bearing wastes, Copper bearing waste, Spent catalyst containing nickel, cadmium, zinc,copper, arsenic, vanadium and cobalt  | 6000 MTPA  | 72.4   |
| 84     | M/s,Zinco Fine Industrie., Plot No.116, National Highway 8-A, Sartanpur, Tal-Wankaner,Morbi                               | Zinc Dross   | 1800   | 42   |
| 85     | M/s,DVG Chemicals., S. No.123, Gadi Cross Road,Himmat nagar Talod Road, Prantij,Himmat nagar                              | Zinc ash/skimming arising from galvanizing die casting operations, Zinc ash/skimming/other zinc bearing wastes arising from smelting and refining, Zinc ash residues including zinc alloy residues in dispersible form, Brass Dross, Zinc Dross, Spent catalyst containing Zinc, Copper reverts, cake and residue, Copper dross, copper oxide mill scale, Spent catalyst Containing Copper | 2040   | 0  |

National Inventory Report on Hazardous Waste Generation and Its Management (2017-18)

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|--------|--|---|--|--|
| 86     | M/s,Keshav Fertilizers., Shed No.03, Block No.169,Keshav Industrial Estate, Mandali,Mehsana        | 1.Brass Dross, 2. Zinc Ash/Skimming/ other Zinc Bearing Waste arising from Smelting and Refining of Zinc Dross, Zinc Residue, Spent Catalyst containing Zinc, 3. Copper Dross, Copper Oxide Mill Scale Waste Copper and Copper Alloy, Copper Reverts, Cake & Residue, Slag from Copper processing for further processing Spent Catalyst Containing Copper | 1. 7200<br>2.4800<br>3.6000                                      | 0  |
| 87     | M/s,Rubamin Ltd., Plot No.17,GIDC, Nandesari,Vadodara  | Zinc Ash, Skimming, Zinc Bearing Waste arising from Smelting and Refining, Spent Cleared Metal Catalyst containing Zinc, Zinc Bearing Waste arising from Galvanizing and Die Casting operation, Zinc Residue  | 13136  | 8144.005   |
| 88     | M/s,Mahakali Enterprise, 90, Nilkanth Industrial Park,B/H. GIDC-Dediyasan, City: Dediyasan,Mehsana | Copper Reverts Cakes & Residue, Spent catalyst containing Copper, Copper Oxide Mill Scale, Spent catalyst containing Copper, Zinc Ash, Zinc Skimming, Zinc Residue, Zinc Dross, Brass Dross @ 1200 MTPA   | 12000  | 68.93  |
| 89     | M/s,Super Impex, Plot No.348, 349/B, Phase-II, Dared,Jamnagar                                      | Brass Dross, Copper Dross, Zinc Dross   | 6000   | 97.4   |

## National Inventory Report on Hazardous Waste Generation and Its Management (2017-18)

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|--------|--|---|--|--|
| 90     | M/s,Zinco Chemicals Ind, Plot No.A/2-22/2 & 23,GIDC, Tal: Kalol, Gandhinagar   | Zinc ash/skimming, Other Zinc Bearing waste arising from smelting and refining, Zinc Residue, Spent catalyst Containing Zinc, Zinc Dross - Bottom Dross, Brass Dross                                    | 3000   | 53   |
| 91     | M/s,Balaji Chemicals, P. No.525, Chhatral, Tal: Kalol,Gandhinagar  | Zinc ash, Zinc skimming, Zinc Dross, Zinc Residue, Brass Dross, Copper Dross, Copper Residue, Copper Oxide Mill Scale, Copper reverts, cake and residue, Spent catalyst Containing Zinc, Copper, Nickel | 3000   | 140  |
| 92     | M/s,Anandmangal Udyog Kalash LLP., P. No.A/35, Opp. Euro Food, Ichchhapore, GIDC, Ichchhapore-394510, Tal: Chorasi,Surat | Copper Dross/Oxide mill Scale/Reverts/ Cakes/ Residues/ Slags   | 1200   | 0  |
| 93     | M/s,Ratna Chemicals, Sr. No.248 P 1,Opp. Asian Tube, Dhanali Road, Vill: Tundali,Mehsana                                 | 1. Copper Oxide mill Scale/ Copper Reverts, Cakes/ and Residues, Spent catalyst containing Copper<br>2.Spent catalyst containing Nickel, Copper Dross @ 1440 MTPA                                       | 1.3600<br>2.1440   | 0  |
| 94     | M/s,Punia Zinox Pvt Ltd., Sr. No.179/2, Near Essar Petrol Pump, City: Dhaneti, Tal: Bhuj,Kutch West                      | Zinc Ash, Zinc Skimming, Zinc Residue, Spent catalyst containing Zinc   | 7800   | 3312.736   |

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|--------|---|---|--|--|
| 95     | M/s,Shravan Chemoxide Pvt Ltd., A-1/1819, Panoli GIDC, Tal: Ankleshwar,Bharuch  | 1}“Zinc Ash, Skimming Residues, Zinc Dross, Zinc Scrap, Zinc Bearing Waste, Zinc Alloys, Residue in dispersible form @ 3930 MTPA”, {2} “Copper reverts, cake and residue, Copper Dross, Copper oxide mill scale, Waste Copper and Copper Alloys In Dispersible From @720 MTPA | 1. 3930<br>2. 720  | 1030.321   |
| 96     | M/s,Brimstone Agro., Plot No: 695 B, Kashipura Road, Village: Kanera, Nr. Surani Paper Mill, Kanera 387540, Kheda               | 1. Zinc Ash, Zinc Skimming, Zinc Dross, Brass dross, Spent catalyst containing Zinc 2. Copper Scrap, Copper Dross, Copper Cake & Residue, Waste Copper, Slag from copper processing for further processing or refining  | 1. 1260 MTPA<br>2.808 MTPA                                       | 101.076  |
| 97     | M/s,Mohit Industries, Plot No.: 900/B/P/1, Near N. K. Industrial Park,Bakrol – Dhamatvan Road, Dhamatvan, Tal: Daskoi,Ahmedabad | Zinc scrap, Zinc Ash / Zinc Skimming / Zinc dross-bottom dross/ zinc process residue/ Zinc residue  | 7200 MTPA  | 1753.371   |
| 98     | M/s,Shanti Enterprise , Plot No. 5&6, Hapa Industrial Estate, B/h: BSNL Godown, Jamnagar  | “(1) Copper oxide mill scale, sludge, cake, (2) Zinc ash/ skimming/ other zinc bearing waste arising from smelting and refining, zinc residue, (3) Spent catalyst containing nickel, (4) Spent catalyst containing Cadmium scrap,   | 1. 1200 MTPA,<br>2. 1680 MTPA,<br>3. 1200 MTPA,<br>4. 240 MTPA   | 9.014  |



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|--------|--|---|--|--|
| 99     | M/s,Maruti Enterprise<br>Plot No.C1/B-42, 2/3,<br>GIDC Nandesari,<br>Dist: Vadodara  | Contaminated Barrels/<br>Drums/ Containers              | 28,800 Nos/Year  | 8687   |
| 100    | M/s,Acquire Chemicals,<br>Plot No.7901/D, Nr. Dhiraj Canco. Ltd.,<br>GIDC Ankleshwar,<br>Dist: Ankleshwar                                | Spent Solvent   | 1200   | 647.533  |
| 101    | M/s,Bliss Chem Tech,<br>C/1B/121/19, GIDC Kalol,<br>Tal-Kalol,<br>Dist: Panchmahal   | Spent Solvent   | 1512   | 103.121  |
| 102    | M/s,Anas Green Environment Pvt Ltd.,<br><br>Plot No.A 2/1231, GIDC Estate Sarigam,<br>Tal: Umergaon, Dist: Valsad-396155                 | Contaminated Barrels/<br>Drums/ Containers              | 57600 Nos/Year   | 116120   |
| 103    | M/s,Shree Bhavani Organics Pvt Ltd.,<br>Plot No.12-15, Saket Ind. Estate, Sarkhej-Bavla Highway,<br>Moraiya,<br>Dist: AhmedabadAhmedabad | Spent Solvent   | 300  | 265.612  |
| 104    | M/s,Mohammed Yunus & Sons, Plot No.176/3B, Phase-II,<br>GIDC Estate, Vapi-396195   | Contaminated Barrels/<br>Drums/ Containers              | 86400 Nos/Year   | 77953  |
| 105    | M/s,Prathna Chem.,<br>Plot No.117, Maha Gujarat Ind. Estate,<br>Moraiya, Sanand,<br>Dist: Ahmedabad                                      | Spent Solvent   | 2520   | 303.245  |
| 106    | M/s,Alpha Products,<br>Plot No.SR No. 301/P,<br>Lilapar NR Canal, Lilapar-363621, Dist- Morbi  | Tarry Residue   | 3000   | 1425   |

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|--------|--|---|--|--|
| 107    | M/s,Aquva Products,<br>Plot No.SR No. 201/Paiki,<br>Beside Seliyent Ceramic,<br>Matel Road, Wakaner Morbi-363621, Dist- Morbi          | Tarry Residue   | 7560   | 495.06   |
| 108    | M/s,Asian Solvochem,<br>Plot No.5,15,16, SR No. 145/P-2, Rafaleshwar Industries<br>area,<br>Rafaleshwar-363642,<br>Dist- Morbi         | Tarry Residue   | 2016   | 1024.6   |
| 109    | M/s Patidar Products,<br>Plot No... B/H, Bhandhugar, 8-A National Highway, NR.<br>Samsun, Ceramic Makansar-363642<br>Dist- Morbi       | Tarry Residue   | 2268   | 376.17   |
| 110    | M/s,Shiv Chemical,<br>Plot No.820, B/H Anitque Ceramic, Opp Atom Ceramic<br>Morbi -363642<br>Dist- Morbi                               | Coal Tar/ Tarry Residue @<br>3600 MTPA                  | 3600   | 584  |
| 111    | M/s,Shree Krupa Industries,<br>i Plot No.126, P-2, Morbi Halvad Highway, B/H 66kv<br>substation Unchimandal Morbi -363642, Dist- Morbi | Tarry Residue   | 4428   | 2002.3   |
| 112    | M/s,Sunrise Chemicals,<br>8/A, National Highway,<br>Lakkaddhar Wakaner-363642,<br>Dist- Morbi  | Tarry Residue   | 3825   | 6361.3   |
| 113    | M/s,Amidhara<br>Plot No:638 To 641,<br>Block No. 638, Vill: Pariyej, Pariyej – 388180 Tal : Matar,<br>Dist : Kheda,Nadiad              | Spent Solvent   | 4200   | 431.78   |

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|--------|--|---|--|--|
| 114    | M/s Param Pharmaceuticals<br>(Old Name: M/s Gujarat Reactive Chemical Private Limited)<br>Plot No. 6001, Ankleshwar GIDC, Tal:<br>Ankleshwar & Dist- Bharuch   | Spent Solvent   | 1200   | 1020   |
| 115    | M/s,Essel Mining Inds Ltd.,<br>Plot No.165 & 166, Phase-II, GIDC, Vapi, Tal: Pardi,<br>Dist: Valsad  | Vanadium Sludge   | 4452   | 4039.75  |
| 116    | M/s Niranjan Petrochem,<br>Plot No. C1B/5230 & 5229,<br>GIDC Estate, Ankleshwar,<br>Dist: Bharuch-393002   | Spent Solvent   | 900  | 738.423  |
| 117    | M/s,Octane Chemicals<br>Plot No. 3104, Phase-III,<br>GIDC Estate, Panoli, Ankleshwar,<br>Dist: Bharuch-394116  | Spent Solvent   | 2652   | 673.705  |
| 118    | M/s,Keaum Organics Pvt. Ltd.,<br>Plot No.1613, GIDC Sarigam, Tal: Umbergaon, Dist: Valsad  | Spent Solvent   | 6060   | 91.782   |
| 119    | M/s,Jama enterprise<br>Plot No.12, Sr. No.62,<br>Shreeji Pesticide Lane,<br>Manjusar Savli, Vadodara: 391775   | Spent Solvent   | 6180   | 889.584  |
| 120    | M/s,N. R. Agrawal Industries Ltd.,<br>Plot No.69/1/P3, 68/1/P3/P1, 72/P3, 72/P1, 74/P2,<br>74/P3, 76/2P1, 75/1P4, 83/P1,84/P1, 86/P1, 88/9/P1,<br>92/P2, 93/P2, 94/P1, 94/P2,Sarigam Kale Road,<br>Vill: Angam & Sarigam,<br>Tal: Umbergaon, Dist: Valsad-396155 | ETP Sludge generated from<br>Pulp & Paper Industry      | 43200  | 17787  |
| 121    | M/s,Dayaram Healthcare, A-1/4906/17,<br>Dist: Ankleshwar   | Spent Solvent   | 1560   | 974.881  |

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|--------|---|---|--|--|
| 122    | M/s,Sunshine Chemicals,<br>Plot No.5237, GIDC Estate,<br>Dist: Bharuch, Ankleshwar-393002   | Spent Solvent   | 720  | 22.6   |
| 123    | M/s,Blitzkrieg Organics Biochemicals Industries,<br>Plot No.5067, GIDC Estate Ankleshwar,<br>Tal: Ankleshwar-393002,<br>Dist: Bharuch | Spent Solvent   | 720  | 720  |
| 124    | M/s,S S. Industries<br>Plot No: C 1/ B-116, Killa Pardi, Pardi - 396125, Tal: Pardi,<br>Dist: Valsad                                  | Spent Fixer [Hypo] Solution<br>Generating from<br>Photographic X-Rays Films | 360  | 0  |
| 125    | M/s,Shree Mahakali Traders,<br>Plot No.4927, GIDC,<br>Tal: Ankleshwar,<br>Dist: Bharuch-393002  | Spent Solvent   | 1860   | 1689.535   |
| 126    | M/s,Gayatri Chemsynth Pvt Ltd., A1/1404, Dist: Ankleshwar   | Spent Solvent   | 3628.8   | 740.626  |
| 127    | M/s,Sahyadri Rasayan,<br>2931, 2932, GIDC Panoli, Dist: Ankleshwar  | Spent Solvent   | 763.44   | 91.993   |
| 128    | M/s,Shivam Petrochem Industries,<br>Plot No.1761, Gothda,<br>Tal: Savli, Dist: Vadodara   | Spent Solvent   | 7200   | 1157.456   |
| 129    | M/s,Saurashtra Enviro Projects Pvt Ltd,<br>3rd Floor, K. G. Chambers,<br>Udhana Darvaja, Ring Road,<br>Surat-395002                   | 1.Waste Mix for Pre-<br>Processing Solid Waste, 2.<br>Liquid Waste          | 1. 21000 MTPA<br>2.16500 MTPA                                    | 0  |
| 130    | M/s,V R Chemicals.,<br>Plot No.5149, GIDC Estate,<br>Ankleshwar-393002, Dist:<br>BharuchAnkleshwar                                    | Spent Solvent   | 318  | 24.92  |

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|--------|--|--|--|--|
| 131    | M/s,Fewal Chem Pvt Ltd.,<br>S.No.50/1, Khkhariya-364295,<br>Tal: Sihor, Dist: Bhavnagar  | Spent Acid Containing HCL<br>(generated from metal<br>surface cleaning in steel and<br>rolling industry)   | 7920 MTPA  | 361.92   |
| 132    | M/s,Om Product.,<br>Plot No.324/P3,<br>Vill: Jivapar (Chakampa)-363642,<br>Tal: Morbi, Dist: Morbi                             | Coal tar/tarry residue   | 1620   | 220.448  |
| 133    | M/s,Govardhan Silicate.,<br>Plot No.303, Rangpar Jivapar Road,<br>Vill: Jivapar (Chakampar)-363642,<br>Tal: Morbi, Dist: Morbi | Coal tar/tarry residue   | 3000   | 267.765  |
| 134    | M/s,Geeta Chemicals,<br>Plot No.4906/B,C,D,GIDC Estate, Ankleshwar,Bharuch-<br>393002  | Coal tar/tarry residue   | 1260   | 925.69   |
| 135    | M/s, Rhythem Chemicals Pvt Ltd.,<br>441/1, 441/9, 8208/4, Road No.4,<br>GIDC Sachin, Surat                                     | Coal tar/tarry residue   | 9720   | 3765   |
| 136    | M/s, Rhythem Chemicals Pvt Ltd.,<br>441/1, 441/9, 8208/4, Road No.4, GIDC Sachin, Surat  | Contamintaed Barrels/<br>Drums/ Containers<br>(Pharmaceuticals, food<br>processing, cosmetic, textile,<br>paint formulation and<br>beverages industries) | 86400 Nos/Year   | 40360  |
| 137    | M/s, J S Industries.,<br>Plot No.1517, Nr. Old Police Station, Ankleshwar-393002   | Spent Solvent  | 2496 KLPA  | 343.658  |
| 138    | M/s, Alex Industries.,<br>Plot No.9109/4&5,<br>GIDC, Ankleshwar-393002   | Spent Solvent  | 979.2 KLPA   | 0  |
| 139    | M/s, Parth Chemical Industries.,<br>Plot No.618/A, Panoli, GIDC, Ankleshwar-394116   | Spent Solvent  | 480 KLPA   | 59.085   |

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|--------|---|---|--|--|
| 140    | M/s, Shivam Organics.,<br>Plot No.9106-1, GIDC,<br>Ankleshwar-393002  | Spent Solvent   | 1800 KLPA  | 675.7  |
| 141    | M/s, Jay Ambe Corporation.,<br>Plot No.C-1/42/16, GIDC,<br>Nandesari, Vadodara-391340   | Spent Solvent   | 3000 KLPA  | 311.922  |
| 142    | M/s, Bharuch Enviro Infrastructure Ltd.,<br>Plot No.9701-16, 9801-28, 9901-28, 9601-9604, 10001-10008, G-7&8, 7924-27, 9401-9412, 9501-9506,7905 E to H,<br>GIDC Estate,<br>Ankleshwar-393002, Dist-Bharuch | Waste Mix Liquid @ 16,000 MTPA, Solid Waste Mix @ 10,000 MTPA | 1. 16000 MTPA,<br>2.10000 MTPA                                   | 7671.931   |
| 143    | M/s, Bharuch Enviro Infrastructure Ltd.,<br>Plot No.9701-16, 9801-28, 9901-28, 9601-9604, 10001-10008, G-7&8, 7924-27, 9401-9412, 9501-9506,7905 E to H,<br>GIDC Estate,Ankleshwar-393002, Dist-Bharuch     | Contaminated Barrels/ Drums/ Containers                       | 1,08,000 Nos/Year  | 37633  |
| 144    | M/s, A S Chemicals.,<br>Plot No.9108/1, GIDC,<br>Ankleshwar-393002  | Spent Solvent   | 2285 KLPA  | 430.4  |
| 145    | M/s, Divine Chemicals.,<br>Plot No.3004, 2917, Panoli-394116,<br>Tal: Ankleshwar, Dist: Bharuch   | Spent Solvent   | 3608.4 KLPA  | 25.045   |
| 146    | M/s, Om Sai Ram Corporation.,<br>Plot No.2106, Panoli-394116,<br>Tal: Ankleshwar, Dist: Bharuch   | Spent Solvent   | 2436 KLPA  | 2179.3   |
| 147    | M/s, Vinayak Chemical.,<br>Plot No.668, Panoli-393002,<br>Tal: AnkleshwarAnkleshwar   | Spent Solvent   | 600 KLPA   | 54.662   |
| 148    | M/s, Multichem.,<br>Plot No.104, GIDC Nandesari,<br>Nandesari-391340,<br>Dist: Vadodara   |   | 18000  | 9381.128   |

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|--------|--|---|--|--|
| 149    | M/s, Gopinath Chem Tech Ltd (Unit-II),<br>Survey No.92, Block No.86,<br>Dhanot, Tal: Kalol,<br>Dist: Gandhinagar | Spent Solvent   | 18000 KLPA   | 0  |
| 150    | M/s, Vakpati Chemicals.,<br>Plot No.7507, GIDC Estate,<br>Taluka: Ankleshwar,<br>Dist: Bharuch-393002            | Spent Sulphuric Acid                                    | 1800 MTPA  | 464.076  |
| 151    | M/s, Sun Pharmaceuticals., Plot No.817/A, Vill:<br>Karakhadi,<br>Karkhadi-391450,<br>Dist: Vadodara              | Spent Solvent   | 396 KLPA   | 88.1   |
| 152    | M/s. Acquire Chemicals,<br>Plot No.7901/D, Nr. Dhiraj Canco. Ltd., GIDC Ankleshwar,<br>Dist: Ankleshwar          | Spent Solvent   | 5160 KLPA  | 1829   |
| 153    | M/s, Anju Life Science.,<br>Plot No.6007, GIDC Estate Ankleshwar, Taluka Akleshwar,<br>Dist: Bharuch-393002      | Spent Solvent   |  | 164.132  |
| 154    | M/s, Apex Pharma Chem, Plot No.7904/F, Nr. BEIL,<br>Ankleshwar   | Spent Solvent   | 15000 KLPA   | 140  |
| 155    | M/s, Shyam Enterprise,<br>Plot No.C1/B, 1512, GIDC Estate, Dist: Bharuch-393002,<br>Ankleshwar                   | Spent Solvent   | 3600 KLPA  | 623.75   |
| 156    | M/s, Vivek Chemicals, Plot No.39104, GIDC Estate, Dist:<br>Bharuch-393002, Ankleshwar                            | Spent Solvent   | 624 MTPA   | 510.8  |
| 157    | M/s, Bhumi Techno Pack, Plot No.4096/A, GIDC Estate,<br>Dist: Bharuch-393002, Ankleshwar                         | Spent Solvent   | 127 MTPA   | 7.7  |
| 158    | M/s, Balmukund Chemicals,r Plot No.4765, GIDC Estate,<br>Bharuch-393002, Ankleshwa                               | Spent Solvent   | 252 MTPA   | 179.547  |

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|--------|--|--|--|--|
| 159    | M/s, Shiv Industries, Plot No.S.No.315 & 315/P1/P1, P.No.14, Kamdhenu Industrial Estate, Nr. Asta Ceramic,Rangpar (Bela)-363642, Morbi   | Coal Tar/ Tarry Residue @ 3600 MTPA  | 3600   | 3  |
| 160    | M/s, Ambuja Intermediates pvt. Ltd., Plot No. 1152/1 to 5, 1154/1-2, 1143/4, 1144, 1149, 1150, 1151, 1163/1-2-3, 1164/2, 1170/2, Vill: Rajpur, Ta: Kadi, Dist:Mehsana, Gandhinagar | Spent Sulphuric acid (generated during manufacturing of Vinyl Sulphone for manufacturing of H-Acid) @12000 MTPA  | 12000  | 461.17   |
| 161    | M/s. Dhoriyani Silicate Industries, Plot No.SNo.767/2 & 3, Lakhdhirpur Road-363642, Morbi  | Coal Tar/ Tarry Residue @ 5400 MTPA  | 5400   | 2079.298   |
| 162    | M/s.Daxesh Petrochem Pvt Ltd, Plot No.4715 & 4716, GIDC Estate-393002, Ankleshwar  | Spent Solvent @ 4800 MTPA  | 4800   | 2785.062   |
| 163    | M/s, Nrup Reck, 17/A, Uma Industrial Estate, Ivaya - Vasna, City Sanand, Ahmedabad   | Spent Solvent @ 1140 MTPA  | 1140   | 885  |
| 164    | M/s, J J Corporation, Plot No.193/3, Phase-II, Dist: Valsad, Tal: Pardi, Vapi-396195   | Spent Sulphuric acid (generated during manufacturing of Quinacridone Pigment Dye & Dye Intermediate) @ 2458 MTPA | 2458   | 0  |
| 165    | M/s, Silchem Industries, Plot No.27,GIDC Rafeleshwar, Rafeleshwar-363642, Morbi  | Coal Tar/ Tarry Residue @ 5040 MTPA  | 5040   | 1294.379   |
| 166    | M/s,Aadi Oil Pvt. Ltd., (Mundra Oil) Survey No-141 Paiki,Mundra, SEZ, Ta- Mundra, Kutch  | Waste oil  | 29700  | 75.85  |
| 167    | M/s, Alicid organic Industries Ltd., Plot No: 208, Hanuman Henduva,Opp. Gujcomasol, Nr. Khari River, Highway, Post: Palavasana,Mehsana-2   | 1. Used oil<br>2. Waste oil  | 1.3960 MTPA<br>2.19800 MTPA                                      | 1154.22  |



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|--------|---|---|--|--|
| 168    | M/s, Karim Corporation, Plot No.157/35-C, Good Luck Market,Opp. Chandola Lake, Narol Road, Ahmedabad                | Used oil  | 92.4MTPA   | 33.80  |
| 169    | M/s, Concept Petrochem, S.No. 249A, Plot No: 41/A,Vasna Iyava, Vill. Sanand,Ahmedabad                               | Waste Oil   | 13200 MTPA   | 501.26   |
| 170    | M/s, karam petroleum product p. ltd., Plot No.1915, GIDC,Sarigam, Ta:Umbergaon,Valsad                               | Used oil  | 462 MTPA   | 14.00  |
| 171    | M/s, Mazda Industrol, Plot No.349,Vill- Sahol,Bharuch   | 1. Used oil<br>2.Waste Oil                              | 1. 4752 MTPA<br>2.5280 MTPA                                      | 120.16   |
| 172    | M/s, Alka Enterprises, Plot No.- 10,Panjetini Estate. Opp. P.W.D. Stores, Danilimda,Ahmedabad                       | 1. Used oil<br>2.Waste Oil                              | 1. 3960 MTPA<br>2.8580 MTPA                                      | 12.47  |
| 173    | M/s, Jodhpur Oil Industries, Panjetani Estate, Opp. PWD- Stores,Near Chandola Lake Danilibmda, Ahmedabad            | Used oil  | 3168 MTPA  | 44.80  |
| 174    | M/s, Bombay Oil Company, Survey No.362, 363, 366, 487, Paiki,Plot No-14 & 24 Vill-Vatwa, Ta. Dascroi,Ahmedabad      | Used oil  | 3762 MTPA  | 202.00   |
| 175    | M/s,Tawakkal Traders, Plot no-15, Jagannath Maharaj Farm, Nr- Sikandar Market, Danilimda,Ahmedabad                  | Used oil  | 2244 MTPA  | 3.20   |
| 176    | M/s,Aroma Petrochem, Pl;ot No.60, GIDC, Vartej,Bhavnagar  | Used oil  | 1650 MTPA  | 165.00   |
| 177    | M/s, Shree Bhagwati Petrochem, Plot No. 3, Survey No. 211, Sihor-Ghanghli Road, Vill. Ghanghli, Ta. Sihor,Bhanvagar | 1. Used oil<br>2. Waste oil                             | 1. 5808 MTPA<br>2.3432 MTPA                                      | 0.00   |
| 178    | M/s,Jawrawala Petroleum, Plot No:200/33, B/H. Kashiram Textile Mill, Narol, Ahmedabad                               | 1. Used oil<br>2.Waste oil                              | 1. 5280 MTPA<br>2.9900 MTPA                                      | 3392.50  |
| 179    | M/s,Suraj barrel supply co., Opp. D.W.D, Nr. Goodluck Barrel Market, Chandola Lake, Narol Highway, Ahmedabad        | Used oil  | 2970 MTPA  | 152.40   |

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|--------|---|---|--|--|
| 180    | M/s,Navkar Enterprise, Block no. 185/186, Vill. Chachrvadi, Vasna, Tal. Sanand, Ahmedabad     | Waste Oil   | 5280 MTPA  | 0.00   |
| 181    | M/s,One-Ten Impex, Survey No.72-P1, Trapaj-364240, Alang Road, Ta-Talaja,Bhavnagar            | 1. Used oil<br>2. Waste oil                             | 1. 2640 MTPA<br>2.3960 MTPA                                      | 288.00   |
| 182    | M/s,Power Gold Petrochem Pvt. Ltd., Plot No.508/B/2, S. No.436,Por-Utiya Road, Por, Vadodara  | 1. Used oil<br>2. Waste oil                             | 1. 1800 MTPA<br>2.2640 MTPA                                      | 0.00   |
| 183    | M/s,Priyansi Corporation, Shed No:C-1,805 to 806,GIDC, Bamanbore, Ta- Chotila,Surendranagar   | 1. Used oil<br>2. Waste oil                             | 1. 2640 MTPA<br>2. 3168 MTPA                                     | 1321.85  |
| 184    | M/s,Amar Hydrocarbon Pvt Ltd., Plot No.36, Sr. No.165/1 to 180, 1 & 2, Tal. Sanand, Ahmedabad | 1. Used oil<br>2. Waste oil                             | 1. 3960 MTPA<br>2.20790 MTPA                                     | 550.48   |
| 185    | M/s,Shibl Lubricant, Block no.90, Plot No.1-2-3,Karanj, Modvan Patia, Mandvi,Surat            | Used oil  | 7920 MTPA  | 166.00   |
| 186    | M/s,R K Steel, Pl-No-21, GIDC, Estate Ph-1, Narmadanagar,Bharuch                              | Used oil  | 4752 MTPA  | 192.88   |
| 187    | M/s,Atlas Organics (P) Ltd, Survey No:1469/2, Village : Rajpur,Ta: Kadi, Mehsana              | Waste Oil   | 23760 MTPA   | 1742.78  |
| 188    | M/s,Reliance Barrel Supply co., Plot No.200/34, B/H-Kashiram Mill, Narol-382405 Ahmedabad     | 1. Used oil<br>Waste oil 2.                             | 1. 9108 MTPA<br>2.9900 MTPA                                      | 1464.00  |
| 189    | M/s, Noorani Enterprise, Plot No.57/58, GIDC, Matar,Kheda                                     | 1. Used oil<br>Waste oil 2.                             | 1. 2376 MTPA<br>2.3102 MTPA                                      | 180.00   |
| 190    | M/s, Unity Petroleum Co., Opp: PWD Store,Nr. Chandola Lake, Danilimda-382405 Ahmedabad        | Used oil  | 660 MTPA   | 516.00   |
| 191    | M/s, ABC Organics & Chemicals, Plot No. 605, GIDC Estate, Panoli,Bharuch                      | Used oil  | 1650 MTPA  | 0.00   |
| 192    | M/s, R.R. Industries, Plot No. 19, GIDC, Matar,Kheda  | Used Oil  | 3168 MTPA  | 172.00   |

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|--------|---|---|--|--|
| 193    | M/s, Power Petrochem, Plot No. 33, Raja Rao Industrial Area, Navagam,Rajkot   | Used Oil / Waste Oil                                    | 2376 MTPA /3102 MTPA   | 33.40  |
| 194    | M/s, Welknown Industries, Plot No. 43, S.No 396,New Ahmedabad Industiral Estate, Bavala – Sarkhej highway, Moraiya, Sanand, Ahmedabad | Used Oil  | 660 MTPA   | 34.40  |
| 195    | M/s, Ashish Coating Technologies Pvt Ltd., Plot No.431,GIDC Vaghodia,Vadodara   | Paint Sludge  | 132 MTPA   | 0.00   |
| 196    | M/s, Hindustan Oils Industries, Shed No.282, A-I,Sec-III, Kandla SEZ, Gandhidham-370210,Kutch   | Used Oil  | 13200 MTPA   | 2571.31  |
| 197    | M/s, Rajasthan Petroleum, 115-A/2/2, Shree Hari Saw Mill Compound,Narol Road, Opp-Bombay Hotel, Danilimda,Ahmedabad                   | Used oil  | 6600 MTPA  | 0.00   |
| 198    | M/s, Shine Petrochem, Survey No.21, Vill: Jakshi-382150, Ta: Viramgam,Ahmedabad   | Waste Oil   | 13200 MTPA   | 0.00   |
| 199    | M/s, Aman Petroleum, Plot No.34, (Sr. No.163), Opp: PWD Store,NR. Bhavna Textiles, Chandola Highway, Ahmedabad                        | Waste Oil   | 1485 MTPA  | 125.38   |
| 200    | M/s, Raza Oil Co., Survey No.57/P, PlotNo.7,At: Mamsa, Ta: Gogha 364060,Bhavnagar   | 1.Waste Oil<br>2.Used Oil                               | 1.2970 MTPA,<br>2.2376 MTPA                                      | 562.53   |
| 201    | M/s, Bombay Barrel Supply Co., Survey No.313, Paiki 4 & 5, Barrel Market, Danilimda, Chandola Highway,Ahmedabad                       | Used oil  | 792 MTPA   | 500.00   |
| 202    | M/s, S.R. Lubricant, Plot No.22, Jaganath, Maharaj Farm, Danilimda,Ahmedabad  | Used oil  | 3168 MTPA  | 80.00  |
| 203    | M/s, Gujarat Oil Recycler, S.No.867/A,Vill: Vasna-Buzarg, Kheda   | 1. Used oil<br>2.Waste oil                              | 1. 3300 MTPA<br>2. 2376 MTPA                                     | 244.00   |
| 204    | M/s, Mercury Enterprise, Plot No:2106 / 7,Phase-III, GIDC,Vatwa,Ahmedabad   | Used Oil  | 528 MTPA   | 144.83   |
| 205    | M/s, Sainath Industrial Fuels Pvt Ltd., 310 Turning Point, Waghawadi Road, Bhavnagar  | Waste Oil   | 23100 MTPA   | 0.00   |

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|--------|---|---|--|--|
| 206    | M/s, Concpet Energy & Hydrocarbons, Plot No.215, Nr. NH-08, Kanrera-Sarsa Road, Vill: Kanrera,Kheda   | Waste Oil   | 13200 MTPA   | 0  |
| 207    | M/s, Raj Enterprise, Plot no: 1, Exiloan Ind Estate, ( Block no: 192 & 211 Paiki),Moje : Chancharwadi, Ta : Sanad, Ahmedabad                | Used Oil  | 2376 MTPA  | 48   |
| 208    | M/s, S. S. Industries, Plot No.51-52, GIDC Estate, Matar, Kheda   | 1. Used Oil<br>2.Waste Oil                              | 1. 2160<br>2. 2820   | 76   |
| 209    | M/s, Jensen International Corp., S. No.30/P/2,Tagadi-364001, Tal: Gogha,Bhavnagar   | 1. Used Oil<br>2.Waste Oil                              | 1. 2880<br>2. 2880   | 248  |
| 210    | M/s,Fine Refiners Pvt Ltd., P. No.40, Vill: Vartej, GIDC Vartej,Bhavnagar   | 1. Used Oil<br>2.Waste Oil                              | 1. 2400<br>2. 12000  | 474.5  |
| 211    | M/s,Shana Petro Chem, Al Madina Estate, Opp. PWD Stores, Chandola Lake, Narol Road,Ahmedabad  | Used Oil  | 2970   | 95   |
| 212    | M/s,Hindustan Enviro Life Protection Services Ltd (Unit-3)., S No.164,165, Vill: Vadgam,Tal: Khambhat,Anand                                 | Used Oil & Waste Oil                                    | 32400  | 0  |
| 213    | M/s,Suzlon Enterprise., Plot No.3488/2, Phase-IV, GIDC, Chhatral-301010, Tal: Kalol,Gandhinagar   | Used Oil & Waste Oil                                    | 1230   | 36.80  |
| 214    | M/s,Sabnam Enterprise, Plot No:87, GIDC Anjar - 370110, Kutch   | Automobile waste lead Batteries                         | 1800   | 83.104   |
| 215    | M/s,Ravi Metals, Plot No. 1505,1506, GIDC Sarigam- 396155 Dist. Valsad, tal- UmbergaonVapi  | Lead Acid Battery Plates & Lead Scrap                   | 15600  | 441.72   |
| 216    | M/s,Keyur Impex. Pvt. Ltd., Block No. 388, Changodar Industrial Estate, Plot No 55/57, Vill. Changodar, Tal. Sanand, Ahemdabad              | Lead Acid Battery Plates and Lead Scrap                 | 1440   | 1362.48  |
| 217    | M/s,Bharat Metal Oxide, Plot no 171/A, Mahagujarat Industrial Estate, Morria Farm, Nr. Priyal Pharmaceuticals, Sarkhej Bavla Road,Ahemdabad | Lead battery plates (dry) and Lead Scrap                | 1680   | 115.318  |

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|--------|---|--|--|--|
| 218    | M/s,S.K Alloys Inds., Survey No. 217 Plot No. 12,Veraval (shapar) Rajkot-Gondal Highway,Rajkot              | Lead acid ,Battery Plates(dry)                                     | 14400  | 93   |
| 219    | M/s,Metenere Limited (Formerly Met Trade India Ltd.), S.No. 590,591,593, Vill. Bhimasar, Ta. Anjar,Kutch    | Lead acid ,Battery Plates(dry), Lead scrap, Lead Ash, Lead Residue | 150000   | 247.825  |
| 220    | M/s,Axis Alloys Industries, Plot no. 4708, Phase III, GIDC, Dared, Jamnagar                                 | Lead Acid Battery Plates/ Lead Scrap                               | 900  | 0  |
| 221    | M/s,Gold Star Battery Ltd., B/H. Ravi Petrol Pump,Rajkot Road, Hapa-361120, Jamnagar                        | Lead Acid Battery scrap/other Lead Scrap                           | 21600  | 1119.786   |
| 222    | M/s,White Gold Metal Industries, Plot No. 14, GIDC Bamanbor,At Po. Bamanbor, Ta. Chotila,Surendranagar      | Lead Acid Battery Scrap  | 2460   | 29.9   |
| 223    | M/s,S.K.Metal, Sr. No: 206, Plot No: 1, Veraval(Shaper) Rajkot-Gondal Highway, Ta: Kotda Sangini,Rajkot     | Lead Acid Battery Scrap  | 3300   | 68   |
| 224    | M/s,Vishal alloys, Plot no: 1902, Phase I, GIDC, Chhatral, Gandhinagar                                      | Lead Acid Battery Scrap  | 600  | 0  |
| 225    | M/s,Kaycee Industries, Plot No.1649/1-2, GIDC,Sarigam-396155Vapi  | Lead Scrap   | 4800   | 150  |
| 226    | M/s,Shivam Metal Industries, Plot No. 204, GIDC Kerala, Tal-Bavla,Ahmedabad                                 | Lead acid ,Battery Plates and other Scrap                          | 4800   | 185.135  |
| 227    | M/s,Mateshwari Metals, Plot No. 50 /62, Block No. 501, Jay Maa Kali Ind Estate Olpad, Tal- Olpad,Surat      | Lead acid ,Battery Plates and Lead Scrap                           | 5000   | 905.04   |
| 228    | M/s,Shreeji Enterprises, Plot No. C- 13B/7/14, GIDC Estate,Sarigam,Valsad                                   | Lead Acid Battery plates and Lead Ash/ Residue                     | 5000   | 0  |
| 229    | M/s,Shree Mahakali Enterprise, Plot No. 77, Aslali, Varukas Chowkdi,Kheda-Tarapur Road, Taluka- Matar,Kheda | Lead Acid Battery scrap/other Lead Scrap                           | 1200   | 173.339  |
| 230    | M/s,Global Associates, Pl.No-3001, GIDC, Panoli,Bharuch   | Lead Acid Battery scrap/other Lead Scrap                           | 1200   | 70   |

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|--------|--|---|--|--|
| 231    | M/s,Blaze Metal Works, Plot No-20, Maha Gujarat Industrial Estate,Sarkej-Bavla Road, Vill-Moraiya, Raluka-Sanand,Ahmedabad   | Lead Acid Battery Plates and Lead Scrap   | 9600   | 1083.83  |
| 232    | M/s,Shital Metalloys (India) Pvt. Ltd., Survey No.36/P1, 37/P1, 38/P, Plot No.86/87/88/89, Vill Bharudi Kishan General Industrial, Nr.Shaktiman, Bharudi-360311, Ta: Gondal,Rajkot | Lead Acid Battery   | 3900   | 2261   |
| 233    | M/s,Recmet Alloys P. Ltd., Sr No.21, Moje : Sardarpura,Ta: Jambusar,Bharuch  | Lead Acid Battery Plates, Lead ash, Lead Scrap and Lead residue not covered under Battries (m&H) rules-2011 | 9000   | 1889.9   |
| 234    | M/s,Asian Overseas, Plot No. 3417/2, 3418/2, Phase-IV,GIDC Estate, Chhatral- 382729,Gandhinagar  | Lead Battery Scrap, Lead Scrap  | 10800  | 94.9   |
| 235    | M/s,HJM Metals LLP, Plot No.1213, Dholka GIDC, Dholka-Kheda Road, Dholka,Ahmedabad   | Battery Scrap and Battery Plates  | 9620   | 372.22   |
| 236    | M/s,Singoda Industries, Plot No.827/5, Jhagadia Industrial Estate, Bharuch   | Lead Acid Battry Plates and other Lead Scrap/Ashes/Residues   | 9000   | 975.31   |
| 237    | M/s,Harsan Enterprises, 59, Plot No.: 46, Vill-Mamsa,Bhavnagar   | Lead Acid Battery Plates and Lead Scrap   | 1200   | 221.6  |
| 238    | M/s,Shree Nagendra Metals Pvt. Ltd., Plot No. 15, Survey No. 66, Vill. Ajapar, Ta. Anjar, Kutch East   | Lead Acid Battery, Plates, Scrap  | 5400   | 0  |
| 239    | M/s,Green Metal Corporation, Plot No. 285, GIDC Talod, Tal: Talod,Sabarkantha  | Lead Acid Battery, Plates, Scrap @ 4590   | 4590   | 30.7   |
| 240    | M/s. Basant Clean Enviro Ltd. Plot No. 67, G.I.D.C., Kadi, Dist: Mehsana, Gujarat- 382715  | E-waste   | 7200 MTPA  | 483.249  |

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| Sr. No | Name and Address of the Facility   | Type of Hazardous Waste Recycled/ Utilize/ Co-processed | Authorized Recycling/ Utilization/ Co-processing Capacity (MTPA) | Quantity Recycled/ Utilized/ Co-processed (MTPA) |
|--------|--|---|--|--|
| 241    | M/s. Earth E-waste Management Pvt.Ltd. Block No. 63,Sagun Ind. Estate, Type-A paiky 11- A, Plot no. 1 to 5 & 10-D, Vill- Atlodara, Tal. Olpad, Dist. Surat | E-waste   | 6000 MTPA  | 11.26  |
| 242    | M/s. Greencare E-recycle Company, Survey No. 223/P3, Plot No. 4, New Somnath Industrial - 3, Villa.: Kothariya - 360002, Dist: Rajkot                      | E-waste   | 237 MTPA   | 30.235   |
| 243    | M/s. Pruthvi E-Recycle Pvt. Ltd., Address: Plot No.31, Golden Industrial area, Near Rolex Industries, Vill- Kothariya, Dist- Rajkot. Rajkot                | E-waste   | 6450 MTPA  | 272.241  |
| 244    | M/s.Videocon Industries Limited, (Videocon Narmada Glass Division) Vill: Chavaj, Bharuch-392002  | E-waste   | 10000 MTPA   | 1.894  |
| 245    | M/s. Felix Industries Pvt. Ltd., (Old Name: M/s PSM Overseas), E-56, Electronic Estate, GEZIA, G.I.D.C., Sector-26,Gandhinagar                             | E-waste   | 6000 MTPA  | 8.011  |
| 246    | M/s. Galaxy Recycling, Sr. No. 36/P1, P2, 37/P2, 38/P2, Plot No. 52 & 53, Near Tirth agro. Pvt. Ltd., At: bharudi, Tal: Gondal, Rajkot                     | E-waste   | 521 MTPA   | 0  |
| 247    | M/s. Eco Green Recycling, Plot No. 4, Near- Dynamic Textile, Ozar Road, Mota Ponda, Kaparada, Dist: Valsad, Gujarat  | E-waste   |  | 214  |
| 248    | M/s. E-Coli Waste management Pvt. Ltd., P1-90 to 92, Sabar industrial Park Pvt.Ltd., Vill-Asal, Tal-Bhiloda, Dist: Sabarkatha                              | E-waste   | 6012 MTPA  | 96.324   |
| 249    | M/s. ECS Environment Ltd., Block No. 24, Paiki, Village: Vautha, Ta: Dholka, Dist.: Ahmedabad - 382225   | E-waste   | 1620 MTPA  | 52.902   |
| 250    | M/s. Unicare E-waste Recycler, Plot No.9/1, Raj Industrial Park-III, Jarod-Savli Road, Karachiya, Ta.Savli, Dist.Vadodara                                  | E-waste   | 1500 MTPA  | 0.55   |
| 251    | M/s. Surbine Recycling (P) Ltd., Plot No: 765, GIDC Phase-II, Dared-361004, Dist: Jamnagar   | E-waste   | 1500 MTPA  | 18.757 MT & 37 Nos.                              |



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| Sr. No | Name and Address of the Facility   | Type of Hazardous Waste Recycled/ Utilize/ Co-processed | Authorized Recycling/ Utilization/ Co-processing Capacity (MTPA) | Quantity Recycled/ Utilized/ Co-processed (MTPA) |
|--------|--|---|--|--|
| 252    | M/s. E-front line recycling Pvt. Ltd., Shed No. C1B-905/9, GIDC, Panoli, Tal: Ankleshwar, Dist: Bharuch, Gujarat-394116                | E-waste   | 3600 MTPA  | 37.016   |
| 253    | M/s. Dron E-waste Solution, Plot No. 56, G.I.D.C., Gozariya, Tal & Dist: Mehsana, Gujarat 382825                                       | E-waste   | 14975 MTPA   | 8  |
| 254    | M/s.Ambuja Cements Ltd. Plot no.: 315-320,351, 352,395-401 Ambujanagar, Dist-Gir-Somnath-362715  | Cement Industries for Co-processing                     | -  | 1432257  |
| 255    | M/s. Ultratech Cement Limited, Sr. No. 164, 268 & 270, Vill: Kovaya, Ta. Rajula, Dist. Amreli  | Cement Industries for Co-processing                     | -  | 1083948.92                                       |
| 256    | M/s. Sanghi Industries Limited, PO: Sanghipuram, Tal:Abadasa, Dist: Kutch  | Cement Industries for Co-processing                     | -  | 360078.85  |
| 257    | M/s. Ultra Tech Cement Ltd. Unit- Sewagram Cement Works, Kutch   | Cement Industries for Co-processing                     | -  | 404198   |
| 258    | M/s. Gujarat Sidhee Cement Limited, Sidheegram, Off Veraval-Kodinar Highway, Tal:Sutrapada, Dist: Junagadh - 362 276                   | Cement Industries for Co-processing                     | -  | 165097   |
| 259    | M/s. Shree Digvijay Cement Co. Ltd., S.No.44,43,28,23,4249,48,4546,47,5051/1,51/2,52,53, Digvijay Gram, At- Sikka, Ta & Dist: Jamnagar | Cement Industries for Co-processing                     | -  | 182662.4   |
| 260    | M/s. Saurashtra Cement Ltd., Ranavav, Tal: Ranavav, Dist Porbandar   | Cement Industries for Co-processing                     | -  | 325667.6   |
| 261    | M/s. J.K Laxmi , Gandhinagaar  | Cement Industries for Co-processing                     | -  | 18206.96   |
| 262    | M/s. J.K Laxmi , Surat   | Cement Industries for Co-processing                     | -  | 4742.5   |
| 263    | M/s,Hi Bond Cement Rajkot  | Cement Industries for Co-processing                     | -  | 2045   |
| 264    | M/s. Ultratech Cement Ltd – Jafrabad Works   | Cement Industries for Co-processing                     | -  | 131814.72  |



**Table 9(h): Gujarat-Details of Hazardous waste disposed in Common TSDF(s)**

| Sr. No. | Name & Address of the TSDF   | Qty. of Stock at the beginning of the year (MT) |             | Qty. of Hazardous Waste Received (MT) |                              |                  | Qty. of Hazardous Waste Disposed (MT) |                                 |                  | Qty. Pre-Processed for utilization (MT)                  | Qty. in Stock at the end of the year (MT) |             | Cumulative HW disposed in SLF by the end of financial year (MT) | Capacity          |   |
|---------|--|---|-------------|---------------------------------------|------------------------------|------------------|---------------------------------------|---------------------------------|------------------|--|---|-------------|---|-------------------|---|
|         |  | Land fillable                                   | Incinerable | For Direct landfill                   | For Landfill after treatment | For incineration | Qty. Landfilled directly              | Qty. Landfilled after treatment | Qty. incinerated |  | Landfillable                              | Incinerable |   | Incinerator (T/H) | Landfill (MT/A)   |
| 1       | M/s BHARUCH ENVIRO INFRASTRUCTURE LIMITED- ANKLESHWAR Plot No. 9701-16, GIDC IE, Ankleshwar-393002                             | 0   | 981.60      | 1,12,074.7                            | 1,26,201.6                   | 25,642.06        | 1,12,074.7                            | 1,26,201.68                     | 18,598.51        | 7671.931   | 0   | 353.228     | 27,65,630.68  | 120               | 3458000   |
| 2       | M/s BharuchEnviro Infrastructure LTD. PLOT No. D/43, GIDC Estate, Amod Road, Dahej-392130, Dist. Bharuch TEL. : (02641) 291129 | Nil   | NA          | 29,666.76                             | 18,350.02                    | NA               | 29,666.76                             | 18,350.02                       | NA               | Nil  | Nil                                       | Nil         | 1,54,028.04   | NA                | Cell -1 Capacity 1,28,000 MT (Closed) Cell 2 & 5 - Capacity 2,39,640 MT |
| 3       | M/sEcocare Infrastructures Private Limited, S.No. 127/1, 127/2, 128, 132/1,132/2, 131,132/2/2, 125/6,                          | NA  | NA          | 2,06,497.54                           | NA                           | NA               | 2,06,497.544                          | NA                              | NA               | No Pre processing as 40% allowable moisture form members | NA  | NA          | 2,81,744.663  | NA                | 500000  |

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| Sr. No. | Name & Address of the TSDF   | Qty. of Stock at the beginning of the year (MT) |             | Qty. of Hazardous Waste Received (MT) |                              |                  | Qty. of Hazardous Waste Disposed (MT) |                                 |                  | Qty. Pre-Processed for utilization (MT) | Qty. in Stock at the end of the year (MT) |             | Cumulative HW disposed in SLF by the end of financial year (MT) | Capacity          |                 |
|---------|--|---|-------------|---------------------------------------|------------------------------|------------------|---------------------------------------|---------------------------------|------------------|---|---|-------------|---|-------------------|-----------------|
|         |  | Land fillable                                   | Incinerable | For Direct landfill                   | For Landfill after treatment | For incineration | Qty. Landfilled directly              | Qty. Landfilled after treatment | Qty. incinerated |   | Landfillable                              | Incinerable |   | Incinerator (T/H) | Landfill (MT/A) |
|         | 125/3,<br>Village :<br>Ghaspur,<br>Tal: Dasada,<br>Dist :<br>Surendranagar   |   |             |                                       |                              |                  |                                       |                                 |                  |   |   |             |   |                   |                 |
| 4       | M/s GMB TSDF ALANG(O & M BY GUJARAT ENVIRO PROTECTION AND INFRA STUCTIURE LTD.)  | 0.000   | 218.81      | 44.355                                | 4,851.935                    | 610.395          | 44.355                                | 4,151.935                       | 761.250          | 0.000                                   | 700.000                                   | 67.305      | 4896.290  | 0.210             | 70,000 CUM      |
| 5       | M/s Saurashtra Enviro Projects Pvt. Ltd. Plot no. D-2 CH/135, GIDC, Dahej - II, Taluka Vagra, Dist: Bharuch            | NA  | 473.63      | NA                                    | NA                           | 7352             | NA                                    | NA                              | 6973             | NA                                      | NA  | 958         | NA  | 1000000           | NA              |
| 6       | M/s Saurashtra Enviro Projects Pvt. Ltd. Survey No 415, 417, 418 Village Juna Katariya, Taluka Bhachau, District Kutch | NA  | 1698.4      | 2,69,695.98                           | 26,859.11                    | 34,190.98        | 2,93,145.00                           | 16,844.95                       | 28,989.00        | 0                                       | 7088                                      | 6684        | 2,86,540.92   | 750000            | 1200000         |

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| Sr. No.      | Name & Address of the TSDF  | Qty. of Stock at the beginning of the year (MT) |                | Qty. of Hazardous Waste Received (MT) |                              |                  | Qty. of Hazardous Waste Disposed (MT) |                                 |                  | Qty. Pre-Processed for utilization (MT) | Qty. in Stock at the end of the year (MT) |                 | Cumulative HW disposed in SLF by the end of financial year (MT) | Capacity          |                 |
|--------------|---|---|----------------|---------------------------------------|------------------------------|------------------|---------------------------------------|---------------------------------|------------------|---|---|-----------------|---|-------------------|-----------------|
|              |   | Land fillable                                   | Incinerable    | For Direct landfill                   | For Landfill after treatment | For incineration | Qty. Landfilled directly              | Qty. Landfilled after treatment | Qty. incinerated |   | Landfillable                              | Incinerable     |   | Incinerator (T/H) | Landfill (MT/A) |
| 7            | M/s VAPI GREEN ENVIRO LIMITED (C.S.W.P SITE), PLOT NO. 4807, PHASE IV,GIDC, VAPI-396195                                       | NIL   | N/A            | 93,186.78                             | NIL                          | N/A              | 93,186.78                             | NIL                             | N/A              | NIL                                     | 0   | N/A             | 12,26,922.07  | N/A               | 1400000         |
| 8            | M/s Geohybrid Industrial Solutions Pvt Ltd.Plot No-A-33/35, Gujarat Eco -textile Park,Plasana-394315, Tal-palsana ,Dist-Surat | NA  | 0              | NA                                    | NA                           | 4529.52          | NA                                    | NA                              | 4529.52          | 0                                       | NA  | 0               | 4529.52   | 4                 | NA              |
| 9            | Nandesari Environment Control Ltd. , Survey No.: 519/P, GIDC Nandesari, Vadodara  | NA  | 58.805         | 65584.29                              | NA                           | 904.17           | 65584.29                              | NA                              | NA               | 772.53                                  | NA  | NA              | 528226.413  | NA                | 5150000         |
| <b>Total</b> |   | <b>0</b>  | <b>3431.28</b> | <b>776750.49</b>                      | <b>176262.413</b>            | <b>73014.364</b> | <b>776750.49</b>                      | <b>165548.58</b>                | <b>59983.73</b>  | <b>8444.46</b>                          | <b>10714</b>                              | <b>8063.458</b> | <b>537652.223</b>   | <b>124210</b>     | <b>6558000</b>  |

**Table 9(i): Gujarat-Details of Hazardous waste disposed in Captive TSDF(s)**

| S.No. | Name and Address of Captive facility  | Type of facility<br>(landfillable/Incinerable/both) | Capacity        |                 | HW disposed during the<br>year |
|-------|---|---|-----------------|-----------------|--------------------------------|
|       |   |   | Landfill( MT/A) | Landfill( MT/A) |                                |
| 1     | M/s Sagar Drugs & Pharmaceuticals Pvt Ltd ,Plot No: Phase No: , 38/3 & 46/1               | Incinerable   | 0.8             |                 | 23560.4                        |
| 2     | M/s Dishman Pharmaceuticals & Chemicals ,SURVEY NO: 47 / 48, PAIKI SUB PLOT-1 , LODARIYAL | Incinerable   | 0.5             |                 | 65.1                           |
| 3     | M/s Cadila helth care Plot No: 417, N.H.NO.8,Village: moraiya, sannad, Ahmedabad          | Incinerable   | 0.2             |                 | 66.8                           |
| 4     | M/s S.R Industries,3228 GIDC,Phase-3 Chhatral,Ta-Kalol, Dist. Gandhinagar                 | Incinerable   | 0.1             |                 | 3.2                            |
| 5     | M/s Cristal qvinone plt.ltd,Unit-3gidc,vatva,Ahm  | Incinerable   |                 |                 | 25.99                          |
| 6     | M/s Savita Intermediates P Ltd , 194/1 , VILL : SOKHDA                                    | Incinerable   | 1               |                 | 0                              |
| 7     | M/s Tulsi Intermediates P Ltd / S   | Incinerable   | 0.232           |                 | 11.25                          |
| 8     | M/s Rallis india Limited  | Incinerable   | 1.04            |                 | 671.91                         |
| 9     | M/s WOCKHARDT LIMITED   | Incinerable   | 0.34            |                 | 343.77                         |
| 10    | M/s Isagro (Asia) Agrochemicals P Ltd., ,640, GIDC ESTATE , -                             | Incinerable   | 1.1             |                 | 0                              |
| 11    | M/s Bilag Industries(bayer Pvt.Ltd ,PLOT NO.306/3, , II PHASE,                            | Incinerable   | 1.2             |                 | 1137.67                        |
| 12    | M/s Siddhi Samrat Dye Chem Pvt.Ltd. ,6405, , -  | Incinerable   | 1.04            |                 | 1511.62                        |
| 13    | M/s Asmal Chem Pvt.Limited  | Incinerable   | 0.2             |                 | 204.95                         |
| 14    | M/s Bodal Chemicals Limited (Unit-7), Block No: 804, Vil: Dudhwada, Tal: Padra, Dist-     | Incinerable   | 3500            |                 | 927.93                         |

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| S.No. | Name and Address of Captive facility   | Type of facility<br>(landfillable/Incinerable/both) | Capacity        |                 | HW disposed during the<br>year |
|-------|--|---|-----------------|-----------------|--------------------------------|
|       |  |   | Landfill( MT/A) | Landfill( MT/A) |                                |
|       | Vadodara (Guj)   |   |                 |                 |                                |
| 15    | M/s Aarti Industries Limited   | Incinerable   | 1               |                 | 0                              |
| 16    | M/s Hemani industries Ltd. Plot No.CH-5 , GIDC- Dahej ,ta-vagara   | Incinerable   | 0.2             |                 | 590.67                         |
| 17    | M/s Jubilant infrastucture Ltd.  | Incinerable   | 6.25            |                 | 287.52                         |
| 18    | M/s Payal petrochem pvt.ltd,GIDC,DAHEJ,BHARUCH   | Incinerable   | 2               |                 | 1321.03                        |
| 19    | M/s Cadila pharmaceuticals (ceshila helth care),nani kadi,mahesana   | Incinerable   | 0.025           |                 | 0                              |
| 20    | M/s Colourtex Industries Ltd.Unit-Ii (Old-Pandesara Industries Pvt.Ltd.) ,158/3-6,14-16,19,20,22,23, , SURVEY NO.74,79,80,BHESTAN,T.P.S.NO.1   | Incinerable   | 1.04            |                 | 1653.47                        |
| 21    | M/s Colourtex Industries Ltd - (Unit-4)(Old: Coloursynth Industries P Ltd) ,SHED NO: C-1-2, C-1 B- 2& 4 , PLOT NO: 28 T032,34,37,38,39,40 & 67 | Incinerable   | 0.0065          |                 | 1.42                           |
| 22    | M/s Colourtex Industries Ltd.- (Unit-1)( Old-Pandesara Industries Pvt.Ltd.) ,288/1-2,289/1-2 ,8108/2, , G. I. D. C.                            | Incinerable   | 6.4             |                 | 92.46                          |
| 23    | M/s Reliance Industries Ltd. VILL.MORA,P.O.BHATHA,surat  | Incinerable   | 0.07            |                 | 0                              |
| 24    | M/s Reliance Industries Limited , Vadodara Manufacturing Division , - , PO PETROCHEMICALS, Vadodara  | Incinerable   | 0.125           |                 | 68                             |
| 25    | M/s Atul Limited ,5, 6, 29, 30, 33, 34, 35, 37, 38, 80, 81, 84, 85, 91, etc. , AT & P.O.ATUL, Dist. Valsad, Pin: 396020.                       | Incinerable   | 0.3             |                 | 9.34                           |
| 26    | M/s Ven Petrochem & Pharma (India) Pvt Ltd. Plot No. 2903, 05, 07, 09, 10 & 2704 to 2708, G.I.D.C., Sarigam                                    | Incinerable   | 0.25            |                 | 562.6                          |

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| S.No. | Name and Address of Captive facility   | Type of facility<br>(landfillable/Incinerable/both) | Capacity        |                 | HW disposed during the<br>year |
|-------|--|---|-----------------|-----------------|--------------------------------|
|       |  |   | Landfill( MT/A) | Landfill( MT/A) |                                |
| 27    | M/s VALIANT ORGANICS LIMITED<br>PLOT NO. 2906, 752 TO 755 G.I.D.C.<br>SARIGAM  | Incinerable   | 0.8             |                 | 163.54                         |
| 28    | M/s Alembic ltd,,panelav,panchmahal  | Incinerable   | 0.05            |                 | 5.09                           |
| 29    | M/s Reliance<br>Industries Limited<br>Hazira<br>Manufacturing<br>Division , Village-<br>Mora,<br>P.O.-Bhatha, Surat<br>Gujarat -394510   | Incinerable   | 0.07            |                 | 33.92                          |
| 30    | M/s Manglam Drugs & Organics Ltd<br>(Unit-II) ,1203 , Phase No :III  | Incinerable   | 0.1             |                 | 151.43                         |
| 31    | M/s Claris Injectables Ltd<br>Village – Vasana-<br>Chacharwadi,<br>Ta: Sanand,<br>Dist: Ahmedabad  | Incinerable   | 0.5             |                 | 8.16                           |
| 32    | M/s Minol Acid & Chemicals Pvt. Ltd.,<br>,5904-1, , --   | Incinerable   | 0.8             |                 | 570.6                          |
| 33    | M/s Deccan Fine Chemicals (India) Pvt.<br>Ltd.<br>Plot No. : 3501-3515, 6301-6313 / B1,<br>GIDC estate, Ankleshwar (393002).<br>District: Bharuch                                  | Incinerable   | 0.4             |                 | 1764.23                        |
| 34    | M/s Gujarat Narmada Valley Fertilizers<br>and Chemicals Ltd , Gnfc Dahej Unit /<br>L,D/II/8 At Dahej -II , Rahiyad,At<br>Rahiyad , Industrial Estate,P.O Dahej -<br>392130,bharuch | Incinerable   | 0.15            |                 | 73.45                          |
| 35    | M/s SInsecticides India Ltd., Dahej  | Incinerable   | 1               |                 | 267.4                          |

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| S.No. | Name and Address of Captive facility   | Type of facility<br>(landfillable/Incinerable/both) | Capacity        |                 | HW disposed during the<br>year |
|-------|--|---|-----------------|-----------------|--------------------------------|
|       |  |   | Landfill( MT/A) | Landfill( MT/A) |                                |
| 36    | M/s Scadila pharmaceuticals (ceshila helth care),nani kadi,mahesana  | Incinerable   | 0.025           |                 | 78.7                           |
| 35    | M/s Reliance Industries Limited ,<br>Vadodara Manufacturing Division PO<br>PETROCHEMICALS                                      | Landfillable  |                 | 12800           | 724.3                          |
| 36    | M/s Gujrat Alkalies and chemicals<br>Limited,Vadodara  | Landfillable  |                 | 30000           | 4056.6                         |
| 37    | M/s TsdF- Colourtex Industries Ltd<br>(Landfill Site) ,S. NO:12 , BLOCK NO.244<br>PAIKEE VILLAGE.JIAV                          | Landfillable  |                 | 12,60,000       | 24253.87                       |
| 38    | M/s Atul Limited ,5, 6, 29, 30, 33, 34, 35,<br>37, 38, 80, 81, 84, 85, 91, etc. , AT &<br>P.O.ATUL, Dist. Valsad, Pin: 396020. | Landfillable  |                 | 50000           | 8900.77                        |
| 39    | M/s Gujrat Alkalies and chemicals<br>Limited, Bharuch  | Landfillable  |                 | 384126          | 50707                          |
|       | <b>Total</b>   |   | <b>3,529</b>    | <b>47692666</b> | <b>1,24,876</b>                |

# **10. HARYANA (Hazardous waste generation and its Management)**



**Table 10(a): Details of Haryana on Hazardous Waste generation**

| Sr. No.      | Name of the Region | Name of the Distt. | No. of HW generating industry | Authorized Qty. of HW (MT) |                  |                 |                | Qty. of Hazardous Waste generated as per Annual Return within the State/ UT (MT) |                 |                  |               | Qty. of HW imported during the year (MT) | Qty. HW exported during the year (MT) |
|--------------|--------------------|--------------------|-------------------------------|----------------------------|------------------|-----------------|----------------|--|-----------------|------------------|---------------|--|---------------------------------------|
|              |                    |                    |                               | Landfillable               | Incinerable      | Recyclable      | Utilizable     | Landfillable   | Incinerable     | Recyclable       | Utilizable    |  |                                       |
|              |                    |                    |                               | 1                          | 2                | 3               | 4              | 5  | 6               | 7                | 8             |  |                                       |
| 1            | Hisar              | Hisar              | 83                            | 356.9012                   | 3                | 48732.42        | 14             | 80.094   | 2.08            | 23331            | 0             | 0  | 0                                     |
|              |                    | Fatehabad          | 13                            | 24.092                     | 0                | 0.02            | 35             | 2.511  | 0               | 0                | 2             | 0  | 0                                     |
|              |                    | Sirsa              | 26                            | 14.543                     | 0                | 2.315           | 0              | 8.331  | 0               | 1.372            | 0             | 0  | 0                                     |
| 2            | Dharuhera          | Rewari             | 227                           | 2603                       | 5896             | 20109.2         | 440            | 1727.95  | 3674.38         | 1368.1           | 433.48        | 0  | 0                                     |
|              |                    | M/Garh             | 5                             | 0                          | 15               | 2205.5          | 0              | 0  | 0               | 7.03             | 0             | 0  | 0                                     |
| 3            | Sonepat            | Sonipat            | 347                           | 1747.43                    | 65.5             | 71.555          | 0              | 1253.764   | 45.17           | 63.78            | 0             | 0  | 0                                     |
| 4            | Yamuna Nagar       | Yamuna Nagar       | 148                           | 152.7108                   | 19.32            | 205759.23       | 0              | 154.732  | 43.35           | 40.6272          | 0             | 0  | 0                                     |
|              |                    | Karnal             | 90                            | 89.9951                    | 144.108          | 65510.93        | 0              | 62.9265  | 95.9973         | 43.33            | 0             | 0  | 0                                     |
| 5            | Gurugram(S)        | GRS                | 759                           | 5933.003                   | 9139.6           | 918             | 0              | 1261   | 6880.01         | 356              | 0             | 0  | 0                                     |
| 6            | Gurugram(N)        | Gurugram           | 554                           | 1142.564                   | 8989.18          | 2031.433        | 3131.44        | 329.082  | 8569.4          | 1368.23639       | 1260.42       | 0  | 0                                     |
|              |                    | Nuh                | 47                            | 221.3183                   | 157.361          | 91.99           | 0              | 191.071  | 147.4           | 56.2             | 0             | 0  | 0                                     |
| 7            | Faridabad          | Faridabad          | 273                           | 280.86062                  | 9.504            | 47.64121        | 0              | 266.817593   | 9.0288          | 44.7827374       | 0             | 0  | 0                                     |
| 8            | Panchkula          | Panchkula          | 96                            | 315.69                     | 32.44            | 578.7           | 0              | 121  | 12.5            | 222              | 0             | 0  | 0                                     |
|              |                    | Ambala             | 105                           | 300.93                     | 503.73           | 470.6           | 0              | 260  | 435             | 405.93           | 0             | 0  | 0                                     |
|              |                    | Kurukshetra        | 41                            | 164.9                      | 0                | 432.46          | 0              | 89   | 0               | 125.53           | 0             | 0  | 0                                     |
| 9            | Ballabgarh         | Faridabad          | 632                           | 4441.126                   | 1237.814         | 655.228         | 0              | 4037.387   | 1125.285        | 624.026          | 0             | 0  | 0                                     |
|              |                    | Palwal             | 121                           | 1017.165                   | 602.459          | 44.521          | 0              | 924.695  | 547.69          | 42.401           | 0             | 0  | 0                                     |
| 10           | Jind               | Bhiwani            | 31                            | 57.75                      | 3.00             | 1.90            | 0              | 33.60  | 1.80            | 0.79             | 0             | 0  | 0                                     |
|              |                    | Dadri              | 3                             | 0                          | 0.6              | 0.02            | 0              | 0.20   | 0.18            | 0.00             | 0.00          | 0.00                                     | 0.00                                  |
|              |                    | Jind               | 15                            | 5.08                       | 5.50             | 0.00            | 0.00           | 4.00   | 5.50            | 0.00             | 0.00          | 0.00                                     | 0.00                                  |
|              |                    | Kaithal            | 5                             | 2.35                       | 3.00             | 0               | 0              | 2.28   | 3.00            | 0                | 0             | 0  | 0                                     |
| 11           | Bahadurgarh        | Jhajjar            | 168                           | 834.6455                   | 241.165          | 65.44           | 0              | 332.851  | 127.561         | 36.933           | 0             | 0  | 0                                     |
|              |                    | Rohtak             | 103                           | 1123.226                   | 554.04           | 20.9115         | 12             | 996.092  | 495.58          | 8.1415           | 11            | 0  | 0                                     |
| 12           | Panipat            | Panipat            | 418                           | 2004.309                   | 310              | 5917.180        | 0              | 1526.421   | 254.625         | 4962.093         | 0             | 0  | 0                                     |
| <b>Total</b> |                    |                    | <b>4310</b>                   | <b>22833.58</b>            | <b>27932.321</b> | <b>353667.2</b> | <b>3632.44</b> | <b>13665.805</b>   | <b>22475.53</b> | <b>33108.307</b> | <b>1706.9</b> | <b>0</b>                                 | <b>0</b>                              |

**Table 10(b): Haryana- Details on Inter-state Movement of Hazardous Waste for recycling/utilisation/disposal**

| Sr. No. | Hazardous Waste   | Hazardous waste received from other State/ UT |                    | Hazardous Waste sent to other State / UT | Qty. sent (MT) |
|---------|---|---|--------------------|--|----------------|
|         |   | Name of State/ UT from which waste received   | Qty. received (MT) | Name of State/ UT where waste sent       | 13             |
|         |   |   | 12                 |  |                |
| 1       | For disposal at common secured landfill                 | nil   | 0                  | 0  | 0              |
| 2       | For disposal at common incinerator                      | nil   | 0                  | 0  | 0              |
| 3       | For recycling by Schedule-IV recyclers                  | Delhi   | 752.747            | 0  | 0              |
|         |   | Punjab  | 388                |  |                |
|         |   | UP  | 728                |  |                |
|         |   | Rajasthan                                     | 622.453            |  |                |
|         |   | Assam   | 349                |  |                |
|         |   | Bihar   | 766.208            |  |                |
|         |   | Jarkhand                                      | 96.681             |  |                |
|         |   | H. Pradesh                                    | 16                 |  |                |
|         |   | Uttarakhand                                   | 43                 |  |                |
|         |   | West bengal                                   | 22                 |  |                |
|         |   | Chhatisgarh                                   | 46.96              |  |                |
|         | Outside India   | 127.88  |                    |  |                |
| 4       | For utilization in Co-processing (Cement Plants)        | nil   | 0                  | Rajasthan                                | 22193.19       |
|         |   |   |                    | Madhya Pradesh                           | 451.305        |
| 5       | For utilization under Rule 9 (other than co-processing) | nil   | 0                  | 0  | 0              |

**Table 10(c): Haryana-Details on Hazardous Waste Recycled and Utilized**

| S.No.        | Name of the Region | Name of District | Recycling/ Utilization of hazardous waste (generated within the State / UT) |                              |                          |  | Recycling/ Utilization of hazardous waste (received from other State / UT) |                              |                                       |  |
|--------------|--------------------|------------------|---|------------------------------|--------------------------|--|--|------------------------------|---------------------------------------|--|
|              |                    |                  | Qty. of waste recycled (listed under Schedule-IV HW (MT))                   | Co-processing in Cement Kiln | Other than Co-processing | Captive Utilization (other than coloumn 15 & 16) | Qty. of waste Recycled (Listed under Schedule-IV HW) (MT)                  | Co-processing in Cement Kiln | Under Rule 9 other than Co-processing | Captive Utilization (other than coloumn 19 & 20) |
|              |                    |                  | 14  | 15                           | 16                       | 17   | 18   | 19                           | 20                                    | 21   |
| 1            | Hisar              | Hisar            | 27827.92  | 0                            | 0                        | 0  | 7.326  | 0                            | 0                                     | 0  |
|              |                    | Fatehabad        | 0   | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
|              |                    | Sirsa            | 0   | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 2            | Dharuhera          | Rewari           | 1236.62   | 433.48                       | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
|              |                    | M/Garh           | 0.21  | 0                            | 0                        | 0  | 6.82   | 0                            | 6.82                                  | 0  |
| 3            | Sonipat            | Sonipat          | 63.78   | 0                            | 0                        | 0  | 3958.93  | 0                            | 0                                     | 0  |
| 4            | Yamuna Nagar       | Yamuna Nagar     | 84.53   | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
|              |                    | Karnal           | 54.34   | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 5            | Gurugram(S)        | Gurugraon(S)     | 0   | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 6            | Gurugram(N)        | Gurugram(N)      | 1359.4182   | 1260.42                      | 0                        | 0  | 5.355  | 0                            | 0                                     | 0  |
|              |                    | Nuh              | 54.24   | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 7            | Faridabad          | Faridabad        | 0   | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 8            | Panchkula          | Panchkula        | 222   | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
|              |                    | Ambala           | 405.93  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
|              |                    | Kurukshetra      | 125.53  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 9            | Ballabgarh         | Faridabad        | 616.11  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
|              |                    | Palwal           | 41.69   | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 10           | Jind               | Bhiwani          | 0.80  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
|              |                    | Dadri            | 0.00  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
|              |                    | Jind             | 0.00  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
|              |                    | Kaithal          | 0.00  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 11           | Bahadurgarh        | Jhajjar          | 49.13   | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
|              |                    | Rohtak           | 8.99  | 19.485                       | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 12           | Panipat            | Panipat          | 452.39  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| <b>Total</b> |                    |                  | <b>32603.6347</b>   | <b>1713.385</b>              | <b>0</b>                 | <b>0</b>   | <b>3978.431</b>  | <b>0</b>                     | <b>6.82</b>                           | <b>0</b>   |

**Table 10(d): Haryana-Details on Hazardous Waste Disposed**

| S. No        | Name of the Region | Name of District | Disposal of hazardous waste (generated within the State/ UT) |               |   |              | Disposal of hazardous waste (received from other State/ UT) |          |   |          |
|--------------|--------------------|------------------|--|---------------|---|--------------|---|----------|---|----------|
|              |                    |                  | Quantity Disposal in Secured landfill (MT)                   |               | Quantity Disposal in Secured Incinerator (MT) |              | Quantity Disposal in Secured landfill (MT)                  |          | Quantity Disposal in Secured Incinerator (MT) |          |
|              |                    |                  | Common   | Captive       | Common  | Captive      | Common  | Captive  | Common  | Captive  |
|              |                    |                  | 22   | 23            | 24  | 25           | 26  | 27       | 28  | 29       |
| 1            | Hisar              | Hisar            | 142.188  | 0             | 0   | 0            | 0   | 0        | 0   | 0        |
|              |                    | Fatehabad        | 0  | 0             | 0   | 0            | 0   | 0        | 0   | 0        |
|              |                    | Sirsa            | 7.345  | 0             | 0   | 0            | 0   | 0        | 0   | 0        |
| 2            | Dharuhera          | Rewari           | 1445.71  | 232.23        | 3473  | 118.1        | 0   | 0        | 0   | 0        |
|              |                    | M/Garh           | 0  | 0             | 0.33  | 0            | 0   | 0        | 0   | 0        |
| 3            | Sonepat            | Sonepat          | 1350.46  | 0             | 33.27   | 11.9         | 0   | 0        | 0   | 0        |
| 4            | Yamuna Nagar       | Yamuna Nagar     | 61.16  | 0             | 63.77   | 0            | 0   | 0        | 0   | 0        |
|              |                    | Karnal           | 37.555   | 0             | 83.325  | 0            | 0   | 0        | 0   | 0        |
| 5            | Gurugram S)        | GRS              | 1091   | 0             | 6128  | 0            | 0   | 0        | 0   | 0        |
| 6            | Gurugram(N)        | Gurugram         | 324.779  | 0             | 430.155                                       | 592.7        | 0   | 0        | 0   | 0        |
|              |                    | Nuh              | 187.7891   | 0             | 144.273                                       | 0            | 0   | 0        | 0   | 0        |
| 7            | Faridabad          | Fbd              | 300.1574959  | 0             | 8.667648                                      | 0            | 681.14  | 0        | 592.06  | 0        |
| 8            | Panchkula          | Panchkula        | 21   | 0             | 12.5  | 0            | 0   | 0        | 0   | 0        |
|              |                    | Ambala           | 160  | 0             | 435   | 0            | 0   | 0        | 0   | 0        |
|              |                    | Kurukshetra      | 12   | 0             | 0   | 0            | 0   | 0        | 0   | 0        |
| 9            | Ballabgarh         | Faridabad        | 3875.09  | 0             | 1060.285                                      | 0            | 0   | 0        | 0   | 0        |
|              |                    | Palwal           | 878.167  | 0             | 530.875                                       | 0            | 0   | 0        | 0   | 0        |
| 10           | Jind               | Bhiwani          | 31.38  | 0             | 0   | 0            | 0   | 0        | 0   | 0        |
|              |                    | Dadri            | 0  | 0             | 0   | 0            | 0   | 0        | 0   | 0        |
|              |                    | Jind             | 5  | 0             | 9   | 0            | 0   | 0        | 0   | 0        |
|              |                    | Kaithal          | 3  | 0             | 0   | 0            | 0   | 0        | 0   | 0        |
| 11           | Bahadurgarh        | Jhajjar          | 202.01   | 0             | 115.825                                       | 76.5         | 0   | 0        | 0   | 0        |
|              |                    | Rohtak           | 1001.92  | 0             | 970.325                                       | 0            | 0   | 0        | 0   | 0        |
| 12           | Panipat            | Panipat          | 389.801  | 0             | 254.625                                       | 0            | 0   | 0        | 0   | 0        |
| <b>Total</b> |                    |                  | <b>11527.506</b>   | <b>232.23</b> | <b>13753.22565</b>                            | <b>799.2</b> | <b>681.14</b>   | <b>0</b> | <b>592.06</b>                                 | <b>0</b> |

**Table 10(e): Haryana-Details on Hazardous Waste Stored at Occupier Premises**

| S. No | Name of the Region | Name of District | Total Qty. of HW stored at Occupier premises at the beginning of the Financial year i.e. 01.04.2017 (MT) |                 |                   |              | Total Qty. of HW stored at Occupier premises during the Financial year i.e. 1 <sup>st</sup> April to 31 <sup>st</sup> March 2018 (MT) |                    |                   |            |
|-------|--------------------|------------------|--|-----------------|-------------------|--------------|---|--------------------|-------------------|------------|
|       |                    |                  | Landfillable   | Incinerable     | Recyclable        | Utilizable   | Landfillable  | Incinerable        | Recyclable        | Utilizable |
|       |                    |                  | 30   | 31              | 32                | 33           | 34  | 35                 | 36                | 37         |
| 1     | Hisar              | Hisar            | 75.629   | 1.1             | 7530.1            | 0            | 13.535  | 3.18               | 3033.18           | 0          |
|       |                    | Fatehabad        | 0.22   | 0               | 0                 | 0            | 2.731   | 0                  | 0                 | 2          |
|       |                    | Sirsa            | 2.9  | 0               | 0                 | 0            | 3.886   | 0                  | 1.372             | 0          |
| 2     | Dharuhera          | Rewari           | 35.07  | 65.59           | 25.38             | 0            | 85.08   | 148.87             | 156.86            | 0          |
|       |                    | M/Garh           | 0  | 0.1             | 0.24              | 0            | 0   | -0.23              | 7.06              | 0          |
| 3     | Sonipat            | Sonipat          | 119.038  | 0               | 0                 | 0            | 22.342  | 0                  | 0                 | 0          |
| 4     | Yamuna Nagar       | Yamuna Nagar     | 122.07   | 71.25           | 98.21             | 0            | 215.65  | 50.83              | 54.31             | 0          |
|       |                    | Karnal           | 60.23  | 90.18           | 98.95             | 0            | 85.60   | 102.85             | 87.94             | 0          |
| 5     | Gurugram (S)       | GRS              | 578.6  | 178.4           | 105.4             | 0            | 748.6   | 930.41             | 461.4             | 0          |
| 6     | Gurugram (N)       | Gurugram         | 10.625   | 103.26          | 67.538            | 0            | 14.928  | 7649.805           | 76.35619          | 0          |
|       |                    | Nuh              | 3.822  | 3.57            | 1.8               | 0            | 7.1039  | 6.697              | 3.76              | 0          |
| 7     | Faridabad          | FBD              | 56.322   | 0               | 0.05              | 0            | 22.9820969  | 0.361152           | 44.8327374        | 0          |
| 8     | Panchkula          | Panchkula        | 237.74   | 118.87          | 0                 | 0            | 337.74  | 118.87             | 0                 | 0          |
|       |                    | Ambala           | 259.9  | 129.95          | 0                 | 0            | 359.9   | 129.95             | 0                 | 0          |
|       |                    | Kurukshetra      | 101.22   | 50.61           | 0                 | 0            | 178.22  | 50.61              | 0                 | 0          |
| 9     | Ballabgarh         | Faridabad        | 40.38  | 12              | 6.25              | 0            | 202.67  | 77                 | 14.16             | 0          |
|       |                    | Palwal           | 9.25   | 5               | 0.42              | 0            | 55.78   | 22                 | 1.13              | 0          |
| 10    | Jind               | Bhiwani          | 5.99   | 0.88            | 0.45              | 0            | 8.21  | 2.68               | 0.440972          | 0          |
|       |                    | Dadri            | 0.0  | 0.9             | 0                 | 0            | 0.200   | 1.08               | 0                 | 0          |
|       |                    | Jind             | 3.4  | 5.5             | 0                 | 0            | 2.4   | 2.0                | 0                 | 0          |
|       |                    | Kaithal          | 2.06   | 0.0             | 0                 | 0            | 1   | 3.00               | 0                 | 0          |
| 11    | Bahadurgarh        | Jhajjar          | 140.57   | 82.935          | 21.55             | 0            | 271.411   | 18.171             | 9.35              | 0          |
|       |                    | Rohtak           | 89.27  | 510.06          | 4.42              | 8.485        | 83.442  | 35.315             | 3.57              | 0          |
| 12    | Panipat            | Panipat          | 1116.028   | 0               | 3343.0112         | 0            | 2252.648  | 0                  | 7852.7182         | 0          |
|       | <b>Total</b>       |                  | <b>3070.2811</b>   | <b>1430.363</b> | <b>11303.7675</b> | <b>8.485</b> | <b>4976.349597</b>  | <b>9353.474452</b> | <b>11808.4401</b> | <b>2</b>   |

**Table 10(f) : Haryana-Details on Recycling / Utilization/Co-Processing of Hazardous Waste**

| S. No.   | Type of Recycline Facilities  | No. of facilities authorized for recycling / utilization / Co-processing of HW | Total Authorized capacity (MTA) | Qty. Recycled/ Utilized / Co-processed (MT) |
|----------|---|--|---------------------------------|---|
| <b>A</b> | <b>Commonly Recyclable HW</b>   |  |                                 |   |
| 1        | Brass Dross   | 2  | 7355                            | 3450  |
| 2        | Zinc Bearing Waste  | 28   | 188337                          | 123147.63                                   |
| 3        | Copper Bearing Waste  | 4  | 38700                           | 6070.41                                     |
| 4        | Spent catalyst containing nickel, cadmium, Zinc, copper, arsenic, vanadium and cobalt | 1  | 2880                            | 467   |
| 4        | Lead bearing waste including battery waste  | 51   | 222808                          | 97617.2518                                  |
| 5        | E-waste   | 10   | 66315                           | 3031.46                                     |
| 6        | Paint and ink Sludge / residues   | Nil  | Nil                             | Nil   |
| 7        | Used Oil  | 32   | 117382.5                        | 49225.2                                     |
| 8        | Waste Oil   | 2  | 7800                            | 7800  |
|          | <b>TOTAL</b>  | <b>130</b>   | <b>651577.5</b>                 | <b>290808.9518</b>                          |
| <b>B</b> | <b>Utilization of HW under Rule 9</b>   |  |                                 |   |
| 1        | Recovery of solvents from spent solvents  | 1  | Nil                             | 1260.42                                     |
| 2        | De-contamination of contaminated drums / containers/ barrels.                         | 7  | 457070                          | 297070                                      |
|          | <b>TOTAL</b>  | <b>8</b>   | <b>457070</b>                   | <b>298330.42</b>                            |
| <b>C</b> | <b>Co-Processing in Cement Plants</b>   |  |                                 |   |
|          |   | 2  | Nil                             | 6847.99                                     |

**Table 10(g): Haryana-List of Authorized Recyclers/ Utilizers/Co-processors of Hazardous Waste**

| Sr. No. | Name & address of the facility   | Type of Hazardous Waste Recycled   | Authorized Recycling/<br>Utilization / Co-Processing<br>capacity (MTA) | Qty. Recycled<br>Utilized / Co-<br>processed (MT) |
|---------|--|--|--|---|
| 1       | M/s Chandigarh Chemicals, Jamalpur Road, Tosham, Fatehabad                     | Zinc Ash, Zinc Dust/Dross Brass Dross  | 7500   | 7500  |
| 2       | M/s Mahesh Chemicals & Allied, Industries, 24 Ind. Area, Sirsa                 | Zinc Ash, Zinc Dust/Dross Brass Dross  | 4000   | 4000  |
| 3       | M/s Shakti Industries, 9th KM Rajgarh Road, Hisar                              | Ferrous/Non Ferrous Zinc ash zinc dross and zinc skimming  | 17000  | 17000   |
| 4       | M/s Shiv Shakti Enterprises, Plot No. 252,Phase-I, Barhi, Sonapat              | Brass Dross, Copper Dross, Waste Copper & Copper Alloys,Zinc DrossBottom, Zinc Ash/skimming,Zinc Bearing waste | 3600   | 340   |
| 5       | M/s Upper India Smelting & Refinery Works, 11-E, Industrial Area, Yamuna Nagar | Zinc Ash/dross/skimminy/flabes/residues/aluminium scrap/ash /golulume  | 20000.00   | 13240.56  |
| 6       | M/s Sagar Metallics, Durga Garden, Jagadhri                                    | Zinc, Aluminium, Copper, Brass Dross and Ash   | 2430.00  | 1608.73   |
| 7       | M/s Arun Metal Industries, Jesico Colony, Yamuna Nagar                         | Dross/Scrap  | 4320.00  | 2859.96   |
| 8       | M/s Mittal Battery, P. No. 349, Indl. Area, Ph-I, Panchkula                    | Copper Ingot   | 200  | 0.41  |

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| Sr. No. | Name & address of the facility  | Type of Hazardous Waste Recycled   | Authorized Recycling/<br>Utilization / Co-Processing<br>capacity (MTA) | Qty. Recycled<br>Utilized / Co-<br>processed (MT) |
|---------|---|--|--|---|
| 9       | M/s Fertichem Enterprises (P) Ltd., 404,<br>Indl. Area, Ph-2, Panchkula                       | Zinc ingot, brass ingot  | 4500 MTA, Nil  | 570.41 MTA  |
| 10      | M/s Shree Ram Metals, Vill. Tabar,<br>Panchkula   | Zinc scrap, aluminium Scrap  | 3600 MTA   | 3600 MTA  |
| 11      | M/s CosmoAgromet Indsutry, Plot No.<br>409, IA, Panchkula                                     | Zinc ash/skimming/dross and brass dross  | 11728 MTA  | 10000 MTA   |
| 12      | M/s Shree Narayana Industry,Sahabad,<br>Adoya Road, V.P.O.Thana<br>Chhapar,Yamuna Nagar       | (b) Brass  | 3755.00  | 3126.56   |
| 13      | M/s Ajay Products, Old Chh. Road,<br>Yamuna Nagar   | Aluminium Dross and Scrap  | 5.00   | 5.00  |
| 14      | M/s S.R. Metals, Behind Sonia Metals,<br>Durga Garden, Jagadhri.                              | Aluminium Dross and Scrap  | 5.00   | 5.00  |
| 15      | M/s M.V.Recyclers India (P) Ltd., Plot No.<br>396,Sec-57, HSIIDC,<br>Phase-IV, Kundli,Sonepat | Insulated Copper Wire Scrap or copper with PVC<br>sheathing including ISRIcode material<br>namely "Druid" and Jelly filled Copper cables | 2880   | 467   |
| 16      | M/s Jai Hind Metal Industry, #1519, Near<br>Kali Mandir, Old Chhachhrauli Road,<br>Jagadhri   | (b) Copper   | 28350.00   | 4469.73   |
| 17      | M/s Shiv Metals, Gulab Nagar Chowk,<br>Bilaspur Road, Jagadhri.                               | (b) Copper   | 10150.00   | 1600.27   |



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| Sr. No. | Name & address of the facility   | Type of Hazardous Waste Recycled  | Authorized Recycling/<br>Utilization / Co-Processing<br>capacity (MTA) | Qty. Recycled<br>Utilized / Co-<br>processed (MT) |
|---------|--|---|--|---|
| 18      | M/s krishna Enterprises, 207, HSIIDC, Manakpur, Jagadhri                     | Insulated Copper Wire Scrap   | 100.00   | 15.77   |
| 19      | M/s Hinudstan Metal & Chemical, 9 K.M. Stone, Delhi Road, Hissar             | Zinc Ash/Skimming/other Zinc  | 2500   | 2500  |
| 20      | M/s G.M Admixture, Plot No. 189, I.A, Ph-I, Panchkula                        | Zinc ash/skimming/dross   | 6000   | 5100  |
| 21      | M/s Sandley Cham, (India) Pvt. Ltd., 32, Udyog Nagar, Delhi Road, Hisar      | Zinc Ash/ Dross   | 3000   | 3000  |
| 22      | M/s Tirupati Chemicals, Tosham Road, Vill. Kanwari, Hisar                    | Zinc Ingots   | 1500   | 1500  |
| 23      | M/s Singla Metals, Plot No. 78, Sector-27-28, Hisar                          | Zinc ash, zinc skimming and zinc dross                                      | 3000   | 3000  |
| 24      | M/s Singhal Industries, 10, IDC, Hisar                                       | Zinc ash, zinc skimming and zinc dross                                      | 1200   | 1200  |
| 25      | M/s Sandley Industries, 29, Udyog Nagar, Hisar                               | Zinc Ash/ Dross   | 3000   | 3000  |
| 26      | M/s M/s Punia Udyog, Delhi Road, Rewari                                      | Zinc Dross and Zinc Ash   | 2697   | 746.63  |
| 27      | M/s Rajdev Intertrade (P) Ltd., W-9, Industrial Area, Jagadhri, Yamuna Nagar | Zinc<br>Ash/dross/skimminy/flabes/residues/aluminium<br>scrap/ash /golulume | 20000.00   | 13240.56  |

National Inventory Report on Hazardous Waste Generation and Its Management (2017-18)

| Sr. No. | Name & address of the facility  | Type of Hazardous Waste Recycled                             | Authorized Recycling/<br>Utilization / Co-Processing<br>capacity (MTA) | Qty. Recycled<br>Utilized / Co-<br>processed (MT) |
|---------|---|--|--|---|
| 28      | M/s Shree Narayana Industry, Sahabad,<br>Adoya Road, V.P.O.Thana<br>Chhapar, Yamuna Nagar   | (a) Zinc   | 3560.00  | 2356.82   |
| 29      | M/s Jai Hind Metal Industry, #1519, Near<br>Kali Mandir, Old Chhachhrauli Road,<br>Jagadhri | (a) Zinc   | 38250.00   | 25322.57  |
| 30      | M/s Shiv Metals, Gulab Nagar Chowk,<br>Bilaspur Road, Jagadhri.                             | (a) Zinc   | 12450.00   | 8242.25   |
| 31      | M/s Ashok Metal Refinery Works,<br>Chhachhrauli Road, New Buria , Jagadhri.                 | Zinc Dross   | 5000.00  | 3310.14   |
| 32      | M/s Krishna Enterprises, 207, HSIIDC,<br>Manakpur, Jagadhri                                 | Zinc Ash Dross Residue Blowing Scrap Skimming<br>Flakes Dust | 200.00   | 132.41  |
| 33      | M/s Suraj Udyog, Bawla Road, Tauru,<br>Mewat  | Zinc Dross/Skimming / Ash & Residues / Scrap                 | 15000  | 0   |
| 34      | M/s Cosmo Zincox Industries, #401, Indl.<br>Area, Ph-I, Panchkula                           | Zinc dross/ash/screeming                                     | 3950   | 2345.8  |
| 35      | M/s Floorex Tiles, P. No. 198, Indl-Area,<br>Ph-1, Panchkula                                | Zinc Ingots  | 2880   | 911.036   |
| 36      | M/s Metal & Chemicals, MIE-B, Red Cross<br>Road, Bahadurgarh                                | zinc   | 3000   | 1925  |

National Inventory Report on Hazardous Waste Generation and Its Management (2017-18)

| Sr. No. | Name & address of the facility   | Type of Hazardous Waste Recycled   | Authorized Recycling/<br>Utilization / Co-Processing<br>capacity (MTA) | Qty. Recycled<br>Utilized / Co-<br>processed (MT) |
|---------|--|--|--|---|
| 37      | M/s Sun Agrozinc (P) Ltd, P. No. 6, Ruhil Inds, Area, Vill-Kablana, Distt. Jhajjar.              | zinc   | 3600   | 2025  |
| 38      | M/s Haryana Chemicals Inds, Red Cross Road, MIE, Bahadurgarh.                                    | zinc   | 1800   | 1010  |
| 39      | M/s Goel Oil Containers, Plot No. 745, Sector-58, Faridabad                                      | Cleaning of Drums & Canes (Consisting of Chemical and oil) after using (Approx. 60,000 Nos. /year) | 1080   | 1080  |
| 40      | M/s Bharti Oil & Containers Co. 1B Sector-5 Northern India Compound , Faridabad                  | Cleaning of Drums & Canes (Consisting of Chemical and oil) after using (Approx. 55,000 Nos. /year) | 990  | 990   |
| 41      | M/s 3 R RECYCLER, Plot No. 266, Sector - 8, IMT Manesar, Gurgaon                                 | E-Waste  | 1800   | 496.11  |
| 42      | M/s Deshwal Waste Management Pvt Ltd, Plot No. 292, Sector-7, IMT Manesar, Gurgaon               | E-Waste  | 1000   | 224.6   |
| 43      | M/s EARTH SENSE RECYCLE PVT LTD, Plot No. 100, Sector - 5, IMT Manesar, Gurgaon                  | E-Waste  | 2160   | 180.7   |
| 44      | M/s Green Vortex Waste Management Pvt Ltd Plot No 177, Sector 7, IMT Manesar                     | E-Waste  | 1500   | 127   |
| 45      | M/s SMS ENTERPRISES, Plot No. 544- D, First Floor, Sector -37, Pace City - II, Gurgaon (Haryana) | E-Waste  | 47225  | 1.3   |

National Inventory Report on Hazardous Waste Generation and Its Management (2017-18)

| Sr. No. | Name & address of the facility   | Type of Hazardous Waste Recycled      | Authorized Recycling/<br>Utilization / Co-Processing<br>capacity (MTA) | Qty. Recycled<br>Utilized / Co-<br>processed (MT) |
|---------|--|---------------------------------------|--|---|
| 46      | M/s Ingram Micro India Pvt. Ltd., Plot-527, Pace City-II, Industrial Area, Sector-37, Gurugram   | E-Waste                               | 300  | 1.5   |
| 47      | M/s Nirvana Recycling Pvt. Ltd., D-6, Udyog Vihar, Gurugram.                                     | E-Waste                               | 6030   | 700.25  |
| 48      | M/s E-Waste Solutions, Industrial Shed IA, Industrial Estate, Sec-6, Faridabad                   | E-Waste dismantler                    | 1000   | 1000  |
| 49      | M/s A to Z E-waste Solutions, Plot no. 66, Pargiti Vihar, Industrial Area, sector-59, Ballabgarh | E-Waste dismantler                    | 300  | 300   |
| 50      | M/s Green World International (P) Ltd, Ganpati Dham, Bahadurgarh                                 | E-Waste                               | 5000   | 0   |
| 51      | M/s Mittal Battery, P. No. 349, Indl. Area, Ph-I, Panchkula                                      | Lead Ingot,                           | 500  | 230   |
| 52      | M/s Quantech Melalloys Ltd, Panaudi Road, Gharaunda, Karnal                                      | Recycling of lead scrap/ashes/residue | 14400  | 14400   |
| 53      | M/s Vasu Alloys P. Ltd., Vill-Kunjapura, Distt-Karnal  | Recycling of lead scrap/ashes/residue | 28000.00   | 28000.00  |

## National Inventory Report on Hazardous Waste Generation and Its Management (2017-18)

| Sr. No. | Name & address of the facility  | Type of Hazardous Waste Recycled                                | Authorized Recycling/<br>Utilization / Co-Processing<br>capacity (MTA) | Qty. Recycled<br>Utilized / Co-<br>processed (MT) |
|---------|---|---|--|---|
| 54      | M/s M/s Stalwart Alloys India (P) Industries, Vill. Yari, Ladwa Road, Shahbad Markanda, Kurukshetra             | Lead Unit   | 10000  | 3508  |
| 55      | M/s Parul Foods Specialities (P) Ltd., 167 KM Stone, GT Road, Khanpur Kolian, Kurukshetra (Lead Recycling unit) | Lead Unit   | 7500   | 520   |
| 56      | M/s G.D.M Industry, Vill. Dukheri Road, Mohra, Ambala   | Lead Unit   | 210  | 28.5  |
| 57      | M/s Relson Engineer, Dhand Road, Kaithal  | Lead Scrap  | 900  | 800   |
| 58      | M/s Jyoti Metals, Plot No 65, HSIIDC Jind   | Lead Scrap  | 900  | 800   |
| 59      | M/s Shri Banke Bihari Metals, M-9, Industrial Area, Panipat   | Lead Acid   | 900  | 177.581   |
| 60      | M/s Shree Krishna Alloys, Plot No. 223, Sec 27-28, Hisar  | Lead Acid Battery plates, Lead Scrap/Ashes/<br>Residues         | 3300   | 3300  |
| 61      | M/s Jainco Industries, Plot No. 203, Sec 27-28, Hisar   | Lead Acid Battery plates, Lead Scrap/Ashes/<br>Residues         | 700  | 700   |
| 62      | M/s Rajiv Metals 3 KM Stone, Barwala Road Hansi Hisar   | Lead Acid battery plates and other lead<br>scrap/ashes/residues | 600  | 600   |

## National Inventory Report on Hazardous Waste Generation and Its Management (2017-18)

| Sr. No. | Name & address of the facility  | Type of Hazardous Waste Recycled  | Authorized Recycling/<br>Utilization / Co-Processing<br>capacity (MTA) | Qty. Recycled<br>Utilized / Co-<br>processed (MT) |
|---------|---|---|--|---|
| 63      | M/s Hindustan Metals, Plot No. 209, Sec 27-28, Hisar                              | Used lead acid battery including grid plates and other lead scrap/ ashes/residues not covered under Batteries (M&H) Rules, 2001 | 880  | 880   |
| 64      | M/s Diwakar Enterprises (P) Ltd., P.No. 7, Sec—3, HSIIDC, Bawal, Distt. Rewari    | (Lead Scrap Battery Scrap LeadDross/Lead Dust/Lead concentrate/Ashes Lead Pipes/Rods Residues and Bras)                         | 12500  | 908.6818  |
| 65      | M/s HVR Industries P. Ltd. 59/20, Vill.- Saidhpur, Teh.Kharkhoda, Sonapat.        | Battery Scrap   | 10000  | 0   |
| 66      | M/s Om Enterprises, B-9, Prem colony, Kundli                                      | Lead acid battery plates  | 3000   | 70.477  |
| 67      | M/s Rana Enterprises, VPO Firozpur Bangar, Tehsil Kharkhoda, Distt. Sonapat       | Lead acid battery plates  | 9000   | 0   |
| 68      | M/s V.B. Holding Pvt. Ltd., Khasra No. 23//21/2, Vill. Liwaspur, Sonapat          | Lead Acid Battery Plates & other lead Scrap/ Residue  | 4200   | 2770  |
| 69      | M/s D.B. Steel, Plot No. 408, HSIIDC, Barhi, Sonapat                              | Lead acid battery plates, lead scrap, lead ash etc.   | 14400  | 24  |
| 70      | M/s D.D Pigments, Kh.No.59/21, Vill age-Saidpur, Tehsil-Kharkhoda, Distt. Sonapat | Lead Ingots and Red Oxide Powder, Lead Scrap & Lead acid Battiers plates  | 2700   | 44.375  |

## National Inventory Report on Hazardous Waste Generation and Its Management (2017-18)

| Sr. No. | Name & address of the facility  | Type of Hazardous Waste Recycled                             | Authorized Recycling/<br>Utilization / Co-Processing<br>capacity (MTA) | Qty. Recycled<br>Utilized / Co-<br>processed (MT) |
|---------|---|--|--|---|
| 71      | M/s Varun Enterprises (India), Prem Colony, Aggarwal Industrial Area, Kundli, Sonapat | Lead scrap/ lead acid battery plates                         | 5000   | 1543  |
| 72      | M/s Starlit Power System Limited, Indri Road, Village Atta, Near Gurgaon, Mewat       | Lead acid battery plates, lead scrap/ashes/residues          | 15000  | 205.637   |
| 73      | M/s S.S. Batteries, Lead, P. No. 150, HSIIDC, IE, barwala, Panchkula                  | Lead acid battery plated scrap, ashes/residues               | 240  | 0   |
| 74      | M/s Ridhi Sidhi Dhoop & Metal Industries, Plot No. 21, HSIIDC Jind                    | Lead Acid Battery plates and other Lead Scrap)               | 1200   | 1100  |
| 75      | M/s Guru Jyot Metal Plot No 35 HSIIDC Hansi Road Jind                                 | Lead Scrap Ashes /Residues/battery plates                    | 300  | 200   |
| 76      | M/s Guru Jyot metal, Plot No. 34, HSIIDC, Hansi Road, Jind                            | Lead Acid battery plates and other lead scrap/ashes/residues | 900  | 800   |
| 77      | M/s Jai Durga Enterprises, Plot No 193, HSIDC Narwana Jind JIND                       | Lead Acid battery plates and other lead scrap/ashes/residues | 4416   | 4000  |
| 78      | M/s Abhishek Industries, P. No. 116-117, IDC, Distt. Rohtak.                          | lead bearing waste including battery waste                   | 330  | 260   |

## National Inventory Report on Hazardous Waste Generation and Its Management (2017-18)

| Sr. No. | Name & address of the facility                                    | Type of Hazardous Waste Recycled           | Authorized Recycling/<br>Utilization / Co-Processing<br>capacity (MTA) | Qty. Recycled<br>Utilized / Co-<br>processed (MT) |
|---------|---|--|--|---|
| 79      | M/s Baba Metal Company, Village Baland,<br>Distt. Rohtak          | lead bearing waste including battery waste | 1200   | 745   |
| 80      | M/s Baweja Industries, Plot No. 29, IDC,<br>Hissar Road, Rohtak   | lead bearing waste including battery waste | 2400   | 110   |
| 81      | M/s Chetna Enterprises, P. No. 119, IDC,<br>Rohtak                | lead bearing waste including battery waste | 2400   | 1350  |
| 82      | M/s Arora Enterprises, Plot No. 24, IDC,<br>Rohtak                | lead bearing waste including battery waste | 2250   | 1260  |
| 83      | M/s Balaji Enterprises, P. No. 184,<br>HSI IDC, Distt. Rohtak.    | lead bearing waste including battery waste | 1200   | 735   |
| 84      | M/s Bharat Chemical Industries, P. No.<br>25, IDC, Rohtak         | lead bearing waste including battery waste | 2500   | 130   |
| 85      | M/s Chirag Enterprises, Vill-Khairpur,<br>Distt. Jhajjar          | lead bearing waste including battery waste | 5000   | 2600  |
| 86      | M/s Deep Metal, Vill-Baland, Distt.<br>Rohtak                     | lead bearing waste including battery waste | 1080   | 755   |
| 87      | M/s Durga Industries, P. No. 262, HSI IDC,<br>Rohtak              | lead bearing waste including battery waste | 3000   | 1450  |
| 88      | M/s D.R. Industries, Jonti Road, Vill-<br>Kanoda, Distt. Jhajjar. | lead bearing waste including battery waste | 3120   | 1700  |



National Inventory Report on Hazardous Waste Generation and Its Management (2017-18)

| Sr. No. | Name & address of the facility                                     | Type of Hazardous Waste Recycled           | Authorized Recycling/<br>Utilization / Co-Processing<br>capacity (MTA) | Qty. Recycled<br>Utilized / Co-<br>processed (MT) |
|---------|--|--|--|---|
| 89      | M/s Guru Nanak Enterprises, Singhpura Road, Distt. Rohtak          | lead bearing waste including battery waste | 1400   | 850   |
| 90      | M/s Giriraj Metal, P. No. 39, HSIIDC, Rohtak                       | lead bearing waste including battery waste | 2500   | 1350  |
| 91      | M/s Kailash Industries, P. No. 152, HSIIDC, Kutana, Distt. Rohtak  | lead bearing waste including battery waste | 4416   | 2200  |
| 92      | M/s Leading Metals (P) Ltd, P. No. 35, Sec-16, HSIIDC, Bahadurgarh | lead bearing waste including battery waste | 14400  | 10050   |
| 93      | M/s Master Metal, Vill. Baland, Distt. Rohtak                      | lead bearing waste including battery waste | 1800   | 930   |
| 94      | M/s Nav Durga, Plot No. 199, HSIIDC, Rohtak                        | lead bearing waste including battery waste | 3000   | 1260  |
| 95      | M/s Odhav Met Trade (P) Ltd, Vill- Ismaila, Sampla, Distt. Rohtak. | lead bearing waste including battery waste | 6000   | 3240  |
| 96      | M/s Om Hari Om Enterprises, Village Sidhipur, Distt. Jhajjar       | lead bearing waste including battery waste | 1950   | 1400  |
| 97      | M/s R.S. Enterprises, P. No. 914, MIE, Bahadurgarh                 | lead bearing waste including battery waste | 2160   | 1350  |
| 98      | M/s Shri Ram Industries, P. No. 94, HSIIDC, Distt. Rohtak          | lead bearing waste including battery waste | 2400   | 1260  |

National Inventory Report on Hazardous Waste Generation and Its Management (2017-18)

| Sr. No. | Name & address of the facility   | Type of Hazardous Waste Recycled           | Authorized Recycling/<br>Utilization / Co-Processing<br>capacity (MTA) | Qty. Recycled<br>Utilized / Co-<br>processed (MT) |
|---------|--|--|--|---|
| 99      | M/s Shri Balaji Enterprises, Vill-Khairpur, Distt. Jhajjar                                   | lead bearing waste including battery waste | 3366   | 1650  |
| 100     | M/s Shri Guru Nanak Auto Indl. Corpn. P. No. 169, IDC, Hissar Road, Distt. Rohtak            | lead bearing waste including battery waste | 1400   | 850   |
| 101     | M/s Sonu Metal, Vill. Baland, Distt. Rohtak.   | lead bearing waste including battery waste | 1080   | 750   |
| 102     | M/s Santosh Industry, P. No. 142, HSIIDC, Rohtak   | lead bearing waste including battery waste | 1050   | 720   |
| 103     | M/s Haryana Petro Oils, P.No. 31, Ph-3rd , Inds. Area, Sirsa                                 | Used Oil                                   | 1350   | 1350  |
| 104     | M/s Shree Balaji Oil Industries, Vill. Nalwa, Hisar  | Used Oil                                   | 1800   | 1800  |
| 105     | M/s M.K. Industries, Village Balana, Mohindergarh  | Used oil                                   | 2199   | 0.33  |
| 106     | M/s Reliance Lube Oils & Greases Corp., Piao- Maniyari, Narela Road, Kundli, Distt. Sonapat. | Waste oil                                  | 4224   | 15.5  |
| 107     | M/s Shri Giri Raj Oil Co., Ferozpur Bangar, Teshil Kharkhoda, Distt. Sonapat.                | Waste oil                                  | 6000   | 673.61  |

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| Sr. No. | Name & address of the facility   | Type of Hazardous Waste Recycled | Authorized Recycling/<br>Utilization / Co-Processing<br>capacity (MTA) | Qty. Recycled<br>Utilized / Co-<br>processed (MT) |
|---------|--|----------------------------------|--|---|
| 108     | M/s Om Petro Fines, Pio-Maniyari,<br>Kundli, Sonapat.                  | Waste oil                        | 6000   | 0   |
| 109     | M/s Divya Petro Product, Vill. Jat Joshi,<br>Bahalgarh, Road, Sonipat  | Waste oil                        | 1000   | 45  |
| 110     | M/s Carewell Lubricants Industry, Vill<br>Sandhir, Nilokheri, Karnal.  | Used Oil                         | 1500.00  | 1500.00   |
| 111     | M/s Haryana Petro Chemicals, Village<br>Sheikpura, Meerut Road, Karnal | Used Oil                         | 1200.00  | 1200.00   |
|         |  | Waste oil                        | 4200.00  | 4200.00   |
| 112     | M/s Universal Hydrolubes, Vill. Darar,<br>Indri Road, Karnal           | Used Oil                         | 1440.00  | 1440.00   |
|         |  | Waste oil                        | 3600.00  | 3600.00   |
| 113     | M/s B.N. Concast (P) Ltd., 18, HSIIDC<br>Complex, Barwala, Panchkula   | Used Oil                         | 3000   | 300   |
| 114     | M/s Indian Petro Chemicals Village Sikri,<br>Ballabgarh, Faridabad     | Used Oil                         | 3000   | 2850.5  |
| 115     | M/s Satyam Petrochemicals, Plot No. 5,<br>Sector 4, Faridabad          | Used Oil                         | 360  | 349.5   |
| 116     | M/s Laxmi Enterprises, Village Jui, Distt.<br>Bhiwani                  | Waste oil                        | 2500   | 1306  |

National Inventory Report on Hazardous Waste Generation and Its Management (2017-18)

| Sr. No. | Name & address of the facility   | Type of Hazardous Waste Recycled | Authorized Recycling/<br>Utilization / Co-Processing<br>capacity (MTA) | Qty. Recycled<br>Utilized / Co-<br>processed (MT) |
|---------|--|----------------------------------|--|---|
| 117     | M/s Bhagwati Inds, P. No. 59, IDC, Hissar Road, Distt. Rohtak.               | used oil                         | 4800   | 3200  |
| 118     | M/s Bharat Oil & Grease Co. C-4/15, M.I.E., Bahadurgarh                      | used oil                         | 2880   | 1680  |
| 119     | M/s G.S. Bharat Oil Refinery, P. No. 351 MIE-A, Bahadurgarh                  | used oil                         | 3000   | 2400  |
| 120     | M/s Global Natural Petro Industries, D-R Road, Vill-Sankhol, Distt. Jhajjar. | used oil                         | 4959   | 2450  |
| 121     | M/s Haryana Industrial Oil Co., Nazafgarh Road, Bahadurgarh.                 | used oil                         | 3000   | 900   |
| 122     | M/s Haryana Oil Processors, Sampla, Rohtak.                                  | used oil                         | 9000   | 3400  |
| 123     | M/s Mahavira Udyog, Bhiwani Road, Rohtak                                     | used oil                         | 5000   | 2125  |
| 124     | M/s Om Industries, VPO-Titoli, Rohtak.                                       | used oil                         | 3000   | 1800  |
| 125     | M/s Power Link Oil Refinery, P. No. 18, 19, 55 & 59, MIE-A, Bahadurgarh      | used oil                         | 3070.5   | 1700  |
| 126     | M/s Raghav Enterprises, P. No. 1379 & 1350, MIE, Bahadurgarh                 | used oil                         | 6000   | 2900  |

## National Inventory Report on Hazardous Waste Generation and Its Management (2017-18)

| Sr. No. | Name & address of the facility   | Type of Hazardous Waste Recycled | Authorized Recycling/<br>Utilization / Co-Processing<br>capacity (MTA) | Qty. Recycled<br>Utilized / Co-<br>processed (MT) |
|---------|--|----------------------------------|--|---|
| 127     | M/s Raj Transoils, P. No. 1744, MIE,<br>Bahadurgarh  | used oil                         | 2100   | 910   |
| 128     | M/s Shiv Oil Refinery, Kharkhoda Road,<br>VPO Kheri Sampla, Rohtak                               | used oil                         | 4800   | 2240  |
| 129     | M/s Shiva Petroleum, Vill-Hassanagarh,<br>Distt. Rohtak  | used oil                         | 1200   | 800   |
| 130     | M/s Shruti Petrochem Industries, Vill-<br>Loharheri, Distt. Jhajjar.                             | used oil                         | 5000   | 2435  |
| 131     | M/s Sumit Chemicals, P.No. 60, IDC,<br>Rohtak.   | used oil                         | 5000   | 1800  |
| 132     | M/s Sunrise Industries, Vill-Rohad, Distt.<br>Jhajjar.   | used oil                         | 10800  | 3500  |
| 133     | M/s Sunderam Industries, Vill-Naya<br>Bans, Tehsil Sampla, Distt. Rohtak                         | used oil                         | 5100   | 2150  |
| 134     | M/s Friends Petro Chemicals & Allied<br>Industries, Village Rare Kalan, Assandh<br>Road, Panipat | Used Oil                         | 3100   | 4.76  |

Table 10(h): Haryana-Details of Hazardous waste disposed in Common TSDF(s)

| Sr. No. | Name & Address of the TSDF   | Qty. of Stock at the beginning of the year (MT) |             | Qty. of Hazardous Waste Received (MT) |                              |                  | Qty. of Hazardous Waste Disposed (MT) |                                 |                  | Qty. Pre-Processed for utilization (MT) | Qty. in Stock at the end of the year (MT) |             | Cumulative HW disposed in SLF by the end of financial year (MT) | Capacity           |                   |                 |
|---------|--|---|-------------|---------------------------------------|------------------------------|------------------|---------------------------------------|---------------------------------|------------------|---|---|-------------|---|--------------------|-------------------|-----------------|
|         |  | Land fillable                                   | Incinerable | For Direct landfill                   | For Landfill after treatment | For incineration | Qty. Landfilled directly              | Qty. Landfilled after treatment | Qty. incinerated |   | Land fillable                             | Incinerable |   | Incinerator (Kcal) | Incinerator (T/H) | Landfill (MT/A) |
| 1       | M/s Gujarat Enviro Protection & Infra (HR) Pvt. Ltd., (GEPIL), Near Pali-Mohbatabad Stone Crushing Zone, Faridabad HSPCB/Consent/:HWM/FDB D/2017/4428 886 From 21/08/2017-30/09/2021 | 0   | 4517.1      | 8420.5                                | 1198.72                      | 13948.4          | 8420.45                               | 1214.925                        | 2742.90          | 9086.54                                 | 0   | 1317.1      | 58725.6   | 2500               | 12000000          | 140000          |

**Table 10(i): Haryana-Details of Hazardous waste disposed in Captive TSDF(s)**

| S. No. | Name and address of captive facility  | Type of facility (landfillable/ incinerable/ both) | Capacity          |                 | HW disposed during the year | Cumulative HW disposed till the end of financial year |
|--------|---|--|-------------------|-----------------|-----------------------------|---|
|        |   |  | Incinerator (T/H) | Landfill (MT/A) |                             |   |
| 1      | M/s Hero Moto Corp, 69Km Stone, Delhi Jaipur Highway, Dharuhera   | Both   | 0.25              | 232.23          | 232.23                      | 0   |
| 2      | M/s Crystal Crop Protection (P) Ltd., Unit-II (Tech Plant), Vill. Nathupur, Sonapat                           | Incinerable  | 0.05              | Nil             | 5.55                        | 37.25   |
| 3      | M/s Indogulf Cropsiences Ltd., (Jai Shree Rasayan Udyog Ltd.) (new unit Tech. Plant), Vill. Nathupur, Sonapat | Incinerable 0.05                                   | 0.05              | Nil             | 6.35                        | 40.3  |
|        |   | <b>Total</b>                                       | <b>0.35</b>       | <b>232.23</b>   | <b>244.13</b>               | <b>77.55</b>  |

# **11.**

## **HIMACHAL PRADESH**

### **(Hazardous waste generation and its Management)**



**Table 11(a): Himachal Pradesh -District-wise details on Hazardous Waste Generation**

| S.No. | Name of the District | Number of HW Generating Industry | Authorized Quantity of Hazardous Waste (Metric Tonne) |             |             |             | Quantity of Hazardous Waste generated as per Annual Return within the State/UT (Metric Tonne) |             |               |                 | Quantity of HW imported during the year(Metric Tonne) | Quantity of HW exported during the year(Metric Tonne) |
|-------|----------------------|----------------------------------|---|-------------|-------------|-------------|---|-------------|---------------|-----------------|---|---|
|       |                      |                                  | Landfillable  | Incinerable | Recyclable  | Utilizable  | Landfillable  | Incinerable | Recyclable    | Utilizable      |   |   |
|       |                      |                                  | 1   | 2           | 3           | 4           | 5   | 6           | 7             | 8               |   |   |
| 1     | Solan                | 1890                             | 77292   | 0           | 5751        | 9123        | 12854.5   | 0           | 3477          | 3207.365        | 0   | 0   |
| 2     | Sirmour              | 892                              | 4075  | 0           | 81          | 668         | 523.1   | 0           | 2867          | 14.08           | 0   | 0   |
| 3     | Una & Hamirpur       | 160                              | 572   | 0           | 2877        | 58          | 1097  | 0           | 272           | 19              | 0   | 0   |
| 4     | Bilaspur             | 59                               | 2167  | 0           | 64          | 18          | 4.6   | 0           | 19            | 21.78           | 0   | 0   |
| 5     | Mandi                | 46                               | 109   | 0           | 54          | 14          | 22.6  | 0           | 6             | 0.46            | 0   | 0   |
| 6     | Kullu & Lahaul Spiti | 111                              | 0.735   | 0           | 35          | 0           | 21  | 0           | 3             | 0               | 0   | 0   |
| 7     | Kangra               | 110                              | 82  | 0           | 721         | 11          | 15  | 0           | 0.2           | 0               | 0   | 0   |
| 8     | Chamba               | 59                               | 0.08  | 0           | 8           | 0           | 0.2   | 0           | 0             | 0               | 0   | 0   |
| 9     | Shimla               | 177                              | 0   | 0           | 4           | 0           | 0.03  | 0           | 10            | 0               | 0   | 0   |
| 10    | Kinnaur              | 37                               | 1   | 0           | 53          | 0           | 0.02  | 0           | 0             | 0               | 0   | 0   |
|       | <b>Total</b>         | <b>3541</b>                      | <b>84298.815</b>                                      | <b>0</b>    | <b>9648</b> | <b>9892</b> | <b>14538.05</b>   | <b>0</b>    | <b>6654.2</b> | <b>3262.685</b> | <b>0</b>  | <b>0</b>  |

**Table 11(b): Himachal Pradesh- 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      | Quantity sent (MT) |
|        |   |  | 12                     |  | 13                 |
| 1      | For disposal at common secured landfill                 | 0  | 0                      | 0                                      | 0                  |
| 2      | For disposal at common Incinerator                      | 0  | 0                      | 0                                      | 0                  |
| 3      | For recycling by Schedule IV recyclers                  | INP  | 5486                   | Haryana                                | 338.2              |
|        |   |  |                        | Rajasthan                              | 304.1              |
| 4      | For utilization in co-processing (cement plants)        | 0  | 0                      | 0                                      | 0                  |
| 5      | For utilization under Rule 9 (other than co-processing) | 0  | 0                      | 0                                      | 0                  |

**Table 11(c): Himachal Pradesh-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 Kiln | Other than co-processing | Captive Utilization(ot her than coloumn 15 & 16) |  | Co-processing in Cement Kiln | Under Rule 9 other than co-processing | Captive Utilization(o ther than coloumn 19 & 20) |
| 14     | 15                   | 16   | 17                           | 18                       | 19   | 20   | 21                           |                                       |  |
| 1      | Solan                | 3000   | 1955.405                     | 1204                     | 0  | 2536   | 0                            | 0                                     | 0  |
| 2      | Sirmour              | 2800   | 0                            | 14                       | 0  | 2950   | 0                            | 0                                     | 0  |
| 3      | Una & Hamirpur       | 200  | 0                            | 19                       | 0  | 0  | 0                            | 0                                     | 0  |
| 4      | Bilaspur             | 0  | 21.78                        | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 5      | Mandi                | 0  | 0                            | 0.16                     | 0  | 0  | 0                            | 0                                     | 0  |
| 6      | Kullu & Lahaul Spiti | 0  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 7      | Kangra               | 0  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 8      | Chamba               | 0  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 9      | Shimla               | 0  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 10     | Kinnaur              | 0  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
|        | <b>Total</b>         | <b>6000</b>  | <b>1977.185</b>              | <b>1237.16</b>           | <b>0</b>   | <b>5486</b>  | <b>0</b>                     | <b>0</b>                              | <b>0</b>   |

**Table 11(d): Himachal Pradesh-Details on Hazardous Waste Disposed**

| S.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 Secured Landfill (MT)                 |          | Quantity Disposed through Incinerator (MT) |          |
|       |                      | Common  | Captive  | Common                                     | Captive  | Common   | Captive  | Common                                     | Captive  |
|       |                      | 22  | 23       | 24   | 25       | 26   | 27       | 28   | 29       |
| 1     | Solan                | 12927.4   | 0        | 0  | 0        | 0  | 0        | 0  | 0        |
| 2     | Sirmour              | 496   | 0        | 0  | 0        | 0  | 0        | 0  | 0        |
| 3     | Una & Hamirpur       | 1097  | 0        | 0  | 0        | 0  | 0        | 0  | 0        |
| 4     | Bilaspur             | 4.6   | 0        | 0  | 0        | 0  | 0        | 0  | 0        |
| 5     | Mandi                | 17.6  | 0        | 0  | 0        | 0  | 0        | 0  | 0        |
| 6     | Kullu & Lahaul Spiti | 21  | 0        | 0  | 0        | 0  | 0        | 0  | 0        |
| 7     | Kangra               | 15  | 0        | 0  | 0        | 0  | 0        | 0  | 0        |
| 8     | Chamba               | 0.2   | 0        | 0  | 0        | 0  | 0        | 0  | 0        |
| 9     | Shimla               | 0.03  | 0        | 0  | 0        | 0  | 0        | 0  | 0        |
| 10    | Kinnaur              | 0.02  | 0        | 0  | 0        | 0  | 0        | 0  | 0        |
|       | <b>Total</b>         | <b>14578.85</b>   | <b>0</b> | <b>0</b>                                   | <b>0</b> | <b>0</b>   | <b>0</b> | <b>0</b>                                   | <b>0</b> |

**Table 11(e): Himachal Pradesh-Details on Hazardous Waste Stored at Occupier Premises**

| S.No. | Name of the District | Total Quantity of HW stored at Occupier premises at the beginning of the financial year i.e. 01.04.2017 (MT) |             |            |            | Total Quantity of HW stored at Occupier premises during the financial year i.e. 1st April to 31st March 2018 (MT) |             |              |              |
|-------|----------------------|--|-------------|------------|------------|---|-------------|--------------|--------------|
|       |                      | Landfillable   | Incinerable | Recyclable | Utilizable | Landfillable  | Incinerable | Recyclable   | Utilizable   |
|       |                      | 30   | 31          | 32         | 33         | 34  | 35          | 36           | 37           |
| 1     | Solan                | 90.53  | 0           | 0          | 0          | 100   | 0           | 9.77         | 48           |
| 2     | Sirmour              | 68.21  | 0           | 0          | 0          | 27.1  | 0           | 0.85         | 0.08         |
| 3     | Una & Hamirpur       | 14.69  | 0           | 0          | 0          | 0   | 0           | 0            | 0            |
| 4     | Bilaspur             | 0  | 0           | 0          | 0          | 0   | 0           | 0            | 0            |
| 5     | Mandi                | 0  | 0           | 0          | 0          | 5   | 0           | 1            | 0.3          |
| 6     | Kullu & Lahaul Spiti | 0  | 0           | 0          | 0          | 0   | 0           | 0            | 0            |
| 7     | Kangra               | 0  | 0           | 0          | 0          | 0   | 0           | 0            | 0            |
| 8     | Chamba               | 0  | 0           | 0          | 0          | 0   | 0           | 0            | 0            |
| 9     | Shimla               | 0  | 0           | 0          | 0          | 0   | 0           | 0            | 0            |
| 10    | Kinnaur              | 0  | 0           | 0          | 0          | 0   | 0           | 0            | 0            |
|       | <b>Total</b>         | <b>173.43</b>  | <b>0</b>    | <b>0</b>   | <b>0</b>   | <b>132.1</b>  | <b>0</b>    | <b>11.62</b> | <b>48.38</b> |

**Table 11(f) Himachal Pradesh-Details on Recycling / Utilization/Co-Processing of Hazardous Waste**

| S.No     | Type of Recycling Facilities  | No of Facilities authorized for recycling / utilization / Co-processing of HW | Total Authorized Capacity (MTA) | Quantity Recycled/ Utilized/ Co-processed (MT) during the year |
|----------|-------------------------------|---|---------------------------------|--|
| <b>A</b> | <b>Commonly Recyclable HW</b> |   |                                 |  |
| 1        | Brass Dross                   | 1   | 4000                            | 0  |
| 2        | Zinc Bearing Wastes           | 1   | 6000                            | 955  |
| 3        | Copper Bearing Waste          | 0   | 0                               | 0  |

| S.No     | Type of Recycling Facilities  | No of Facilities authorized for recycling / utilization / Co-processing of HW | Total Authorized Capacity (MTA) | Quantity Recycled/ Utilized/ Co-processed (MT) during the year |
|----------|---|---|---------------------------------|--|
| 4        | Spent catalyst containing nickel, cadmium, Zinc, copper, arsenic, vanadium and cobalt | 0   | 0                               | 0  |
| 5        | Lead bearing waste including battery waste  | 12  | 80285                           | 10531  |
| 6        | E-Waste   | 0   | 0                               | 0  |
| 7        | Paint and ink Sludge/residues   | 0   | 0                               | 0  |
| 8        | Used oil  | 0   | 0                               | 0  |
| 9        | Waste Oil   |   |                                 |  |
|          | <b>Total</b>  | <b>14</b>   | <b>90285</b>                    | <b>11486</b>   |
| <b>B</b> | <b>Utilization of HW under Rule 9</b>   |   |                                 |  |
| 1        | De-contamination of contaminated drums/containers/ barrels                            | 16  | 4181.4                          | 1237.6   |
|          | <b>Total</b>  | <b>16</b>   | <b>4181.4</b>                   | <b>1237.6</b>  |
| <b>C</b> | <b>Co-processing in Cement Plants</b>   | 2   | 1900                            | 1977.35  |

Table 11(g): Himachal Pradesh-List of Authorized Recyclers/ Utilizers/Co-processors of Hazardous Waste

| 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) |
|------|---|--|---|--|
| 1    | M/s Gulshan Trading Comp. Sai Road, Baddi           | Dicontamination of Contaminated Drums            | 388.8   | 3.6  |
| 2    | M/s Super Trading Gullarwala, Sai Raod, Baddi       | Dicontamination of Contaminated Drums            | 194.4   | 49.9   |
| 3    | M/s Shiv Shakti Enterprises, Vill. Chakjangi, Baddi | Dicontamination of Contaminated Drums            | 388.8   | -  |

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| 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) |
|------|--|--|---|--|
| 4    | M/s Him Trading Comp. Vill. Shettalpur, PO Baddi, Tehsil Baddi, Dist. Solan                    | Dicontamination of Contaminated Drums            | 259.2   | 117.1  |
| 5    | M/s Balaji Trading Comp., Vill. Swaraj Majra PO Baddi, Tehsil Baddi, Dist. Solan               | Dicontamination of Contaminated Drums            | 81  | 39.8   |
| 6    | M/s Ak Enterprises, Vill. Malkumajra, PO Bhud, Tehsil Baddi                                    | Dicontamination of Contaminated Drums            | 259.2   | 12.5   |
| 7    | M/s KK Enterprises, Khasra No. 1308/478, Vill. Shitalpur, Baddi, Dist. Solan HP                | Dicontamination of Contaminated Drums            | 194.4   | 87   |
| 8    | M/s Neha Enterprises, Vill. Kaimbawala, PO Mandhala, Tehsil Baddi, Dist. Solan                 | Dicontamination of Contaminated Drums            | 388.8   | 62.3   |
| 9    | M/s Two Star Trading Co. Vill. Thana Narangpur, Tehsil Baddi, Dist. Solan                      | Dicontamination of Contaminated Drums            | 194.4   | 22.5   |
| 10   | M/s Kamal Enterprises, Vill. Kotla Baddi Dist. Solan   | Dicontamination of Contaminated Drums            | 388.8   | 87   |
| 11   | M/s Sk Trading Comp. Vill. & PO Barotiwala, Tehsil Kasauli, Dist. Solan                        | Dicontamination of Contaminated Drums            | 194   | 55.6   |
| 12   | M/s Shivalik Solid Waste Management Ltd. Vill. Majra, PO Dabhota, Tehsil Nalagarh, Dist. Solan | Dicontamination of Contaminated Drums            | 259.2   | 259  |
| 13   | M/s M Rauf Enterprises Plot No. 1746, Vill. Thana, PO Baddi, Tehsil Baddi, Dist. Solan         | Dicontamination of Contaminated Drums            | 252   | 222.9  |
| 14   | M/s Enviro Enterprises, Plot No. 18-C, Industrial Area Lodhimajra Solan                        | Dicontamination of Contaminated Drums            | 259.2   | 133.9  |

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| 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) |
|------|---|---|---|--|
| 15   | M/s Lucky Enterprises Plot No. 42, Industrial Area Lodhimajra, Tehsil Baddi, Dist. Solan HP | Dicontamination of Contaminated Drums                   | 388.8   | 65.5   |
| 16   | M/s Salam Traders Comp. Vill. Dattowal, Tehsil Nalagarh, Dist. Solan HP                     | Dicontamination of Contaminated Drums                   | 90  | 19   |
| 17   | M/s Rama Metal Comp. Vill. Johron, Behind DIC, Industrial Area, Kala Amb, Dist. Sirmour HP  | lead acid batteries plates and other lead scrap/residue | 550   | 295  |
| 18   | M/s Radha Krishna Ind. Vill. Meerpur Gurudwara, Kala Amb. Dist. Sirmour HP                  | lead acid batteries plates and other lead scrap         | 10500   | 0  |
| 19   | M/s Sri Balaji Smelters Plot No. 90, Industrial Area, Lodhimajra, Tehsil Baddi              | lead acid batteries plates and other lead scrap/residue | 7000  | 2650   |
| 20   | M/s Sai Ind. Plot No. 22, Trilokpur Road, IA, Kala Amb, Dist. Sirmour HP                    | battery scrap   | 4800  | 0  |
| 21   | M/s Ras Ind. Plot No. 22, Trilokpur Road, IA, Kala Amb, Dist Sirmour HP                     | battery scrap   | 4800  | 0  |
| 22   | M/s Neelkanth Ind. Plot No. 38, Sect. 5, Parwanoo, Dist. Solan                              | Brass dross, copper dross, zinc ash & zinc skimming     | 4000  | 0  |
| 23   | M/s SK Engineers, Vill. Johron, Trilokpur Road, Kala Amb, Tehsil Nahan, Dist. Sirmour       | lead acid battery plates & lead scrap                   | 1200  | 1200   |
| 24   | M/s Span India Scaffoldings, Vill. Johron, PO Kala Amb. Tehsil Nahan, Dist. Sirmour HP      | lead acid battery plates & lead scrap                   | 1200  | 1193   |



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| 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) |
|------|---|---|---|--|
| 25   | M/s Ekta Enterprises, Plot No. 43, Trilokpur Road, Ind. Area, Kala Amb. Tehsil Nahan, Dist. Sirmour | lead acid battery plates & lead scrap   | 5000  | 1027   |
| 26   | M/s Geon International Plot No.65, Bhatoli Kalan, Industrial Area, Baddi Dist. Solan                | lead acid batteries plates lead scrap/residue/lead ash and lead scrap   | 12000   | 1749   |
| 27   | M/s Indo Plast P. Ltd. Plot No. 46-48, Sect. 5, Parwanoo, Dist. Solan                               | zinc ash, zinc dross/zinc skimming/zinc scrap, brass ash/brass dross/brass scrap/copper dross/copper scrap/al;uminium dross/aluminium scrap | 6000  | 955  |
| 28   | M/s Sarika Industrial Plot No. 111, HPSIDC, Industrial Area, Tehsil Baddi, Dist. Solan HP           | lead acid batteries plates and other lead scrap/residue   | 5500  | 0  |
| 29   | M/s Rama Krishna Industries Vill. Jattan, Kala Amb. Dist. Sirmour                                   | lead acid battery including plates and other lead scrap   | 27700   | 2418   |
| 30   | M/s KK Enterprises VPO Daslehra, Tehsil Jhandutta, Dist Bilaspur                                    | lead acid battery including plates and other lead scrap   | 35  | 0  |
| 31   | M/s ACC Ltd. (Unit-1) , Gagal Cement Works, PO Barmana, Dist. Bilaspur                              | ETP Sludge  | 100   | 21.78  |
| 32   | M/s Ambuja Cement LTd. (Suli Unit), PO Daralaghat, Tehsil Arki, Dist. Solan                         | Solid Wastes Mix  | 1800  | 1955.41  |

Table 11(h): Himachal Pradesh-Details of Hazardous waste disposed in Common TSDF(s)

| 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 Pre-Processed for utilization (MT)   | Quantity in Stock at the end of the year (MT) |             | Cumulative HW disposed in SLF by the end of financial year (MT) | Capacity           |                   |                 |
|------|---|---|-------------|--|------------------------------|------------------|---|-------------------------------------|----------------------|---|---|-------------|---|--------------------|-------------------|-----------------|
|      |   | Land fillable                                       | Incinerable | For Direct landfill                        | For Landfill after treatment | For Incineration | Quantity Landfilled directly              | Quantity Landfilled after treatment | Quantity Incinerated |   | Landfillable                                  | Incinerable |   | Incinerator (KCal) | Incinerator (T/H) | Landfill (MT/A) |
| 1    | M/s Shivalik Solid Waste Management Ltd., Village Majra, PO Dabhota, Tehsil Nalagarh, Dist. Solan (HP) 174 101. | 173.427   | 0           | 2167.515                                   | 12335.412                    | 0                | 2167.515                                  | 12411.332                           | 0                    | 1) 1998.315 MT sent to cement plant for co-processing<br>2) 289.647 MT paint sludge sent to authorized recyclers. | 97.507  | 0           | 139268 MT excluding raw material & soil                         | 0                  | 0                 | 50000           |

Table 11(i): Himachal Pradesh-Details of Hazardous waste disposed in Captive TSDF(s)

| S. No. | Name and Address of Captive facility | Type of facility (landfillable/Incinerable /both) | Capacity          |                 | HW disposed during the year | Cumulative HW disposed till the end of financial year |
|--------|--------------------------------------|---|-------------------|-----------------|-----------------------------|---|
|        |                                      |   | Incinerator (T/H) | Landfill( MT/A) |                             |   |
| Nil    | Nil                                  | Nil   | Nil               | Nil             | Nil                         | Nil   |

# **12.**

## **JAMMU & KASHMIR**

### **(Hazardous waste generation and its Management)**

**Table 12(a): J&K -District-wise details on Hazardous Waste Generation**

| S.No. | Name of the District | Number of HW Generating Industry | Authorized Quantity of Hazardous Waste (Metric Tonne) |                |                 |                | Quantity of Hazardous Waste generated as per Annual Return within the State/UT (Metric Tonne) |                |                |                | Quantity of HW imported during the year (Metric Tonne) | Quantity of HW exported during the year (Metric Tonne) |
|-------|----------------------|----------------------------------|---|----------------|-----------------|----------------|---|----------------|----------------|----------------|--|--|
|       |                      |                                  | Landfillable  | Incinerable    | Recyclable      | Utilizable     | Landfillable  | Incinerable    | Recyclable     | Utilizable     |  |  |
|       |                      |                                  | 1   | 2              | 3               | 4              | 5   | 6              | 7              | 8              |  |  |
| 1     | Jammu                | 23                               | 0.6945  | 23.583         | 10.949          | 11.489         | 0.6945  | 23.583         | 10.949         | 11.489         | 0  | 0  |
| 2     | Samba                | 138                              | 83.55   | 188.65         | 129.83          | 26.46          | 83.55   | 188.65         | 129.83         | 26.46          | 0  | 0  |
| 3     | Kathua               | 47                               | 0   | 179.2          | 1930.26         | 177.59         | 0   | 179.2          | 1930.26        | 177.59         | 0  | 0  |
| 4     | Udhampur             | 8                                | 0   | 0.953          | 1499.54         | 0              | 0   | 0.953          | 1499.541       | 0              | 0  | 0  |
| 5     | Pulawama             | 6                                | 105   | 0              | 0               | 56.5           | 105   | 0              | 0              | 56.5           | 0  | 0  |
| 6     | Budgam               | 2                                | 0.35  | 0              | 1               | 0              | 0.35  | 0              | 1              | 0              | 0  | 0  |
| 7     | Srinagar             | 3                                | 0   | 0              | 70              | 0              | 0   | 0              | 70             | 0              | 0  | 0  |
|       | <b>Total</b>         | <b>227</b>                       | <b>189.5945</b>                                       | <b>392.386</b> | <b>3641.579</b> | <b>272.039</b> | <b>189.5945</b>   | <b>392.386</b> | <b>3641.58</b> | <b>272.039</b> | <b>0</b>   | <b>0</b>   |

**Table 12(b): J&K- 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      | Quantity sent (MT) |
|        |   |   | 12                     |  | 13                 |
| 1      | For disposal at common secured landfill                 | ---   | 0                      | ---                                    | 0                  |
| 2      | For disposal at common Incinerator                      | ---   | 0                      | UP                                     | 241.123            |
| 3      | For recycling by Schedule IV recyclers                  | Punjab  | 250.87                 | Rajasthan                              | 1929.42            |
|        |   | Punjab, UP & Haryana                              | 2353                   | ---                                    | 0                  |
|        |   | Rajasthan, Haryana, Gujarat, MP, UP, Bihar, Assam | 37683.503              | ---                                    | 0                  |
| 4      | For utilization in co-processing (cement plants)        | ---   | 0                      | Gujarat                                | 26.46              |
| 5      | For utilization under Rule 9 (other than co-processing) | ---   | 0                      | ---                                    | 0                  |

**Table 12(c): J&K-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 Kiln | Other than co-processing | Captive Utilization(other than column 15 & 16) |  | Co-processing in Cement Kiln | Under Rule 9 other than co-processing | Captive Utilization(other than column 19 & 20) |
|      |                      |  |                              |                          |  |  |                              |                                       |  |
| 1    | Jammu                | 0  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 2    | Samba                | 12.4   | 0                            | 0                        | 0  | 2603.87  | 0                            | 0                                     | 0  |
| 3    | Kathua               | 0  | 0                            | 0                        | 177.59   | 37683.503  | 0                            | 0                                     | 0  |
| 4    | Udhampur             | 1500   | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
|      | <b>Total</b>         | <b>1512.4</b>  | <b>0</b>                     | <b>0</b>                 | <b>177.59</b>                                  | <b>40287.373</b>   | <b>0</b>                     | <b>0</b>                              | <b>0</b>                                       |

**Table 12(d): J&K-Details on Hazardous Waste Disposed**

| S.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 Secured Landfill (MT)                 |          | Quantity Disposed through Incinerator (MT) |          |
|       |                      | Common  | Captive  | Common                                     | Captive      | Common   | Captive  | Common                                     | Captive  |
|       |                      | 22  | 23       | 24   | 25           | 26   | 27       | 28   | 29       |
| 1     | Jammu                | 0   | 0        | 0  | 0            | 0  | 0        | 0  | 0        |
| 2     | Samba                | 0   | 0        | 0  | 4.655        | 0  | 0        | 0  | 0        |
| 3     | Kathua               | 0   | 0        | 0  | 0            | 0  | 0        | 0  | 0        |
| 4     | Udhampur             | 0   | 0        | 0  | 0            | 0  | 0        | 0  | 0        |
|       | <b>Total</b>         | <b>0</b>  | <b>0</b> | <b>0</b>                                   | <b>4.655</b> | <b>0</b>   | <b>0</b> | <b>0</b>                                   | <b>0</b> |

**Table 12(e): J&K-Details on Hazardous Waste Stored at Occupier Premises**

| S.No. | Name of the District | Total Quantity of HW stored at Occupier premises at the beginning of the financial year i.e. 01.04.2017 (MT) |                 |                |               | Total Quantity of HW stored at Occupier premises during the financial year i.e. 1st April to 31st March 2018 (MT) |                 |                |               |
|-------|----------------------|--|-----------------|----------------|---------------|---|-----------------|----------------|---------------|
|       |                      | Landfillable   | Incinerable     | Recyclable     | Utilizable    | Landfillable  | Incinerable     | Recyclable     | Utilizable    |
|       |                      | 30   | 31              | 32             | 33            | 34  | 35              | 36             | 37            |
| 1     | Jammu                | 0.694  | 48.834          | 1.909          | 28.045        | 1.389   | 72.417          | 12.85          | 39.534        |
| 2     | Samba                | 538  | 642             | 619            | 0             | 621.55  | 616.66          | 736.43         | 0             |
| 3     | Kathua               | 0  | 1284.39         | 96.51          | 17.75         | 0   | 1431.81         | 97.35          | 17.75         |
| 4     | Udhampur             | 0  | 0.621           | 0.612          | 0             | 0   | 1.574           | 0.153          | 0             |
| 5     | Pulawama             | 49.25  | 0               | 0              | 0             | 105   | 0               | 0              | 0             |
| 6     | Budgam               | 0.35   | 0               | 1              | 1             | 0   | 0               | 1              | 0             |
| 7     | Srinagar             | 0  | 0               | 0              | 0             | 0   | 0               | 70             | 0             |
|       | <b>Total</b>         | <b>588.294</b>   | <b>1975.845</b> | <b>719.031</b> | <b>46.795</b> | <b>727.939</b>  | <b>2122.461</b> | <b>917.783</b> | <b>57.284</b> |

**Table 12(f): J&K-Details on Recycling / Utilization/Co-Processing of Hazardous Waste**

| S.No     | Type of Recycling Facilities  | No of Facilities authorized for recycling / utilization / Co-processing of HW | Total Authorized Capacity (MTA) | Quantity Recycled/ Utilized/ Co-processed (MT) during the year |
|----------|---|---|---------------------------------|--|
| <b>A</b> | <b>Commonly Recyclable HW</b>   |   |                                 |  |
| 1        | Brass Dross   |   |                                 |  |
| 2        | Zinc Bearing Wastes   | 7   | 47299                           | 2325.26  |
| 3        | Copper Bearing Waste  | 1   | 600                             |  |
| 4        | Spent catalyst containing nickel, cadmium, Zinc, copper, arsenic, vanadium and cobalt | 2   | 1300                            | 1025.28  |
| 5        | Lead bearing waste including battery waste  | 20  | 140639                          | 46145.03   |
| 6        | E-Waste   |   |                                 |  |
| 7        | Paint and ink Sludge/residues   |   |                                 |  |
| 8        | Used oil  | 2   | 1292.7                          | 12.42  |
| 9        | Waste Oil   |   |                                 |  |
| 10       | Non ferrous metal scrap (mixed)   | 1   | 300                             | 0  |
|          | <b>Total</b>  | <b>33</b>   | <b>191430.7</b>                 | <b>49507.99</b>  |
| <b>B</b> | <b>Utilization of HW under Rule 9</b>   | 0   | 0                               | 0  |
| <b>C</b> | <b>Co-processing in Cement Plants</b>   | 0   | 0                               | 0  |

**Table 12(g): J&K-List of Authorized Recyclers/ Utilizers/Co-processors of Hazardous Waste**

| 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) |
|----------|--|--|---|--|
| <b>1</b> | M/s KDS Alloys Phase-I, IGC, Samba     | lead from battery waste                          | 720   | 454  |
| <b>2</b> | M/s S&F Allouys Phase I, IGC, Samba    | lead from battery waste                          | 3600  | 2100   |
| <b>3</b> | M/s DM Alloys, Phase I, IGC, Samba     | lead from battery waste                          | 1392  | 504  |
| <b>4</b> | M/s Metenere Ltd., Phase I, IGC, Samba | lead from battery waste                          | 0   | Unit not in operation                          |

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| 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) |
|------|--|--|---|--|
| 5    | M/s Oska Alloys and Steel Pvt. Ltd. Phase-11                           | lead from battery waste                          | 1946  | 1473   |
| 6    | M/s Quality Zinc Pvt. LTd. Phase-I IGC Samba                           | zinc dross                                       | 0   | 50   |
| 7    | M/s Hari Naryan Ind. Phase-I IGC, Samba                                | zinc dross                                       | 0   | Unit not in operation                          |
| 8    | M/s Galaxy Ind., Phase-I, IGC, Samba                                   | zinc dross and zinc ash                          | 17500   | 51.37  |
| 9    | M/s Rishi Ind., Phase-I, IGC, Samba                                    | battery plates                                   | 45  | Unit not in operation                          |
| 10   | M/s Shantik Metal Works, Phase, Phase, Samba                           | lead from lead scrap                             | 153   | 63   |
| 11   | M/s Sterlite Ind., Phase-I, Samba                                      | lead from lead scrap                             | 204   | Unit not in operation                          |
| 12   | M/s Exion Ind., Phase-I, Samba   | lead from lead scrap                             | 1368  | 417  |
| 13   | M/s Khajuria Ind. Lane No. 3 Phase-II                                  | Used oil   | 1290  | 11.22  |
| 14   | M/s Nitika Refinery Lane No. 3 Phase-II SIDCO                          | Used oil   | 2.7   | 1.2  |
| 15   | M/s Jehlum Metal SIDCO B.B Samba                                       | lead residue                                     | 9000  | Unit not in operation                          |
| 16   | M/s Thukral Metals SIDCO B.B Samba                                     | lead residue                                     | 8160  | 1581   |
| 17   | M/s Bhawani Wire & Cable Lane No. 3 SIDCO B.B Samba                    | lead residue                                     | 7200  | Unit not in operation                          |
| 18   | M/s Golden Fabricators Lane No. 4, Phase-II, SIDCO B.B Udhampur Dist.  | zinc dross                                       | 900   | 149.5  |
| 19   | M/s Radha Ind. IID Centre Battal Ballian Khatua Dist.                  | lead scrap, lead acid batteries dry              | 1800  | 1500   |
| 20   | M/s Jammu Pigment Pvt. Ltd. Near Railway Crossing, Logate Morh, Kathua | lead acid battery plates, lead scrap, lead       | 28458   | 24505  |
|      |  | zinc bearing waste                               | 7149  | 2015   |
|      |  | spent catalyst containing cadmium, zinc          | 900   | 655.28   |
| 21   | M/s Gravita Metal Inc. SICIOP Industrial Area, Kathua                  | lead acid battery plates, lead scrap, lead       | 9340  | 3414.2   |



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| 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)          |
|------|--|---|---|---|
| 22   | M/s Bharat Udyog SICOP Industrial Area, Kathua                   | lead acid battery plates, lead scrap, lead  | 18000   | 6058  |
| 23   | M/s Chetan Alloys 163-34 SICOP Industrial Area, Kathua           | lead bearing waste  | 6756  | 25  |
|      |  | zinc bearing waste  | 5300  | not undertaken during the said period                   |
| 24   | M/s Chambal Allums Pvt. Ltd. IID Centre Govindsar                | lead acid battery plates, lead scrap, lead ash & lead residue   | 5000  | 2864  |
| 25   | M/s Metal & Pigment, Logate Morh, Kathua                         | bag house powder/zinc ash/zinc dust/zinc skimming/pc cake/moore cake  | 30000   | The unit remained closed during the said period 2017-18 |
| 26   | M/s Kathua Metal Pvt. Ltd., 214-B, SICOP Industrial Area, Kathua | battery scrap, lead acid battery plates & lead residue  | 360   | 95  |
| 27   | M/s Rama Metal Plot No. 5-A, IID Centre, Govindsar, Kathua       | raw lead, remelted lead ingots, secondary lead and all types of lead scrap, antimony lead, residues-battery scrap         | 32341   | 722.3   |
| 28   | M/s R.R Pigments Pvt. Ltd. IID Centre, Govindsar, Kathua         | zinc dross, zinc ash, skimming, zinc residue, spent cleared metal catalyst containing zinc                                | 800   | not undertaken during the said period                   |
|      |  | copper oxide mill scale, copper cake & residue, brass dross, copper dross, spent cleared metal catalyst containing copper | 600   | not undertaken during the said period                   |
|      |  | mixed non-ferrus metal scrap  | 300   | not undertaken during the said period                   |
|      |  | spent catalyst containing nickel, zinc  | 400   | 370   |

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| 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) |
|------|--|--|---|--|
|      |  | lead acid battery plates/scrap                   | 5000  | not undertaken during the said period          |
| 29   | M/s National Sports Industries Industrial Estate | zinc dust, zinc ash, zinc square                 | 3150  | 59.39  |

**Table 12(h): J&K-Details of Hazardous waste disposed in Common TSDF(s)**

| S. N. | 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 Pre-Processed for utilization (MT) | Quantity in Stock at the end of the year (MT) |             | Cumulative HW disposed in SLF by the end of financial year (MT) | Capacity           |                   |                 |
|-------|------------------------------|---|-------------|--|------------------------------|------------------|---|-------------------------------------|----------------------|---|---|-------------|---|--------------------|-------------------|-----------------|
|       |                              | Land fillable                                       | Incinerable | For Direct landfill                        | For Landfill after treatment | For Incineration | Quantity Landfilled directly              | Quantity Landfilled after treatment | Quantity Incinerated |   | Landfillable                                  | Incinerable |   | Incinerator (KCal) | Incinerator (T/H) | Landfill (MT/A) |
| 1     | Nil                          | NoTSDF available in the State                       |             |  |                              |                  |   |                                     |                      |   |   |             |   |                    |                   |                 |

**Table 12(i): J&K-Details of Hazardous waste disposed in Captive TSDF(s)**

| S. No. | Name and Address of Captive facility | Type of facility (landfillable/Incinerable/both) | Capacity          |                 | HW disposed during the year | Cumulative HW disposed till the end of financial year |
|--------|--------------------------------------|--|-------------------|-----------------|-----------------------------|---|
|        |                                      |  | Incinerator (T/H) | Landfill( MT/A) |                             |   |
| 1      | Nil                                  | NoTSDF available in the State                    |                   |                 |                             |   |

# **13.**

# **JHARKHAND**

## **(Hazardous waste generation and its Management)**

**Table 13(a): Jharkhand-District-wise details on Hazardous Waste Generation**

| Sr. No. | Name of the District | Number of HW Generating Industry | Authorized Quantity of Hazardous Waste (Metric Tonne) |             |            |            | Quantity of Hazardous Waste generated as per Annual Return within the State/ UT (Metric Tonne) |             |            |            | Quantity of HW Imported during the year (Metric Tonne) | Quantity of HW exported during the year (Metric Tonne) |
|---------|----------------------|----------------------------------|---|-------------|------------|------------|--|-------------|------------|------------|--|--|
|         |                      |                                  | 1   | 2           | 3          | 4          | 5  | 6           | 7          | 8          |  |  |
|         |                      |                                  | Landfillable  | Incinerable | Recyclable | Utilizable | Landfillable   | Incinerable | Recyclable | Utilizable |  |  |
| 1       | East Singhbhum       | 71                               | 177089.53   | 1497.64     | 16628.97   | 0          | 177057.96  | 1069.92     | 16548.18   | 0.85       | 0  | 0  |
| 2       | West Singhbhum       | 14                               | 4057.37   | 284.05      | 651.04     | 0          | 4425   | 269.5       | 600.78     | 0.5        | 0  | 0  |
| 3       | Saraikela Kharsawan  | 175                              | 642.87  | 210.98      | 176.88     | 0          | 398.03   | 127.87      | 84.76      | 4.34       | 0  | 0  |
| 4       | Bokaro               | 36                               | 2830.29   | 1195.92     | 11016.56   | 45848.13   | 2542.92  | 1189.005    | 2077.39    | 45326.28   | 0  | 0  |
| 5       | Dhanbad              | 91                               | 1000.99   | 294.58      | 2261.51    | 215.28     | 0.51   | 290.15      | 188.1      | 28.57      | 0  | 0  |
| 6       | Ranchi               | 38                               | 2.5   | 2           | 80         | 0          | 2.5  | 2           | 80         | 0          | 0  | 0  |
| 7       | Palamu               | 7                                | 1   | 0           | 6          | 0          | 1  | 0           | 6          | 0          | 0  | 0  |
| 8       | Garhwa               | 5                                | 0   | 0           | 1          | 0          | 0  | 0           | 1          | 0          | 0  | 0  |
| 9       | Latehar              | 3                                | 0   | 0           | 3          | 0          | 0  | 0           | 3          | 0          | 0  | 0  |
| 10      | Lohardaga            | 3                                | 0   | 0           | 8          | 0          | 0  | 0           | 8          | 0          | 0  | 0  |
| 11      | Simdega              | 4                                | 0   | 0           | 0.3        | 0          | 0  | 0           | 0.3        | 0          | 0  | 0  |
| 12      | Gumla                | 5                                | 0   | 0           | 2.4        | 0          | 0  | 0           | 2.4        | 0          | 0  | 0  |
| 13      | Khunti               | 3                                | 0   | 0           | 0.2        | 0          | 0  | 0           | 0.2        | 0          | 0  | 0  |
| 14      | Jamtara              | 3                                | 0   | 0           | 0          | 0          | 0  | 0           | 0          | 0          | 0  | 0  |
| 15      | Godda                | 1                                | 0   | 0           | 0          | 0          | 0  | 0           | 108.07     | 0          | 0  | 0  |
| 16      | Deoghar              | 5                                | 0   | 0           | 0          | 0          | 0  | 0           | 21.6       | 0          | 0  | 0  |
| 17      | Pakur                | 1                                | 0   | 0           | 0          | 0          | 0  | 0           | 0          | 0          | 0  | 0  |
| 18      | sahibganj            | 0                                | 0   | 0           | 0          | 0          | 0  | 0           | 0          | 0          | 0  | 0  |

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| Sr. No. | Name of the District | Number of HW Generating Industry | Authorized Quantity of Hazardous Waste (Metric Tonne) |                |                  |                 | Quantity of Hazardous Waste generated as per Annual Return within the State/ UT (Metric Tonne) |                 |                 |                 | Quantity of HW Imported during the year (Metric Tonne) | Quantity of HW exported during the year (Metric Tonne) |
|---------|----------------------|----------------------------------|---|----------------|------------------|-----------------|--|-----------------|-----------------|-----------------|--|--|
|         |                      |                                  | 1   | 2              | 3                | 4               | 5  | 6               | 7               | 8               |  |  |
|         |                      |                                  | Landfillable  | Incinerable    | Recyclable       | Utilizable      | Landfillable   | Incinerable     | Recyclable      | Utilizable      |  |  |
| 19      | Dumka                | 0                                | 0   | 0              | 0                | 0               | 0  | 0               | 0               | 0               | 0  | 0  |
| 20      | Giridih              | 17                               | 0.94  | 0              | 0                | 8.83            | 0  | 0               | 0               | 0               | 0  | 0  |
| 21      | Ramgarh              | 51                               | 0   | 0              | 47.066           | 9.85            | 0  | 0               | 0               | 0               | 0  | 0  |
| 22      | Chatra               | 7                                | 0   | 0              | 16.68            | 0               | 0  | 0               | 0               | 0               | 0  | 0  |
| 23      | Hazaribagh           | 9                                | 0   | 0              | 164.49           | 1.84            | 0  | 0               | 0               | 0               | 0  | 0  |
| 24      | Koderma              | 7                                | 0   | 0              | 2.43             | 4.8             | 0  | 0               | 0               | 0               | 0  | 0  |
|         | <b>Total</b>         | <b>556</b>                       | <b>185625.49</b>                                      | <b>3485.17</b> | <b>31066.526</b> | <b>46088.73</b> | <b>184427.92</b>   | <b>2948.445</b> | <b>19729.78</b> | <b>45360.54</b> | <b>0</b>   | <b>0</b>   |

**Table 13(b): Jharkhand- Details on Inter-state Movement of Hazardous Waste for recycling/utilisation/disposal**

| Sr. 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      | Quantity sent (MT) |
|         |  |  | 12                     |   | 13                 |
| i       | For disposal at common secured landfill                  | NIL  | NIL                    | NIL                                     | NIL                |
| ii      | For disposal at common incinerator                       | NIL  | NIL                    | NIL                                     | NIL                |
| iii     | For recycling by Schedule IV recyclers                   | NIL  | NIL                    | NIL                                     | NIL                |
| iv      | For utilization in co-processing (cement plants)         | NIL  | NIL                    | NIL                                     | NIL                |
| v       | For utilization under Rules 9 (Other than co processing) | NIL  | NIL                    | NIL                                     | NIL                |

**Table 13(c): Jharkhand-Details on Hazardous Waste Recycled and Utilized**

| Sr. No. | Name fo the District | Recycling / Utilization of Waste (generated within the State/ UT)         |                              |   |  | Recycling / Utilization of hazardous waste (received from other State /UT) |                              |   |  |
|---------|----------------------|---|------------------------------|---|--|--|------------------------------|---|--|
|         |                      | Quantity of waste recycled (listed under Schedule IV Hazrdous Waste) (MT) | Quantity Utilized (MT)       |   |  | Quantity of waste recycled (listed under Schedule IV Hazrdous Waste) (MT)  | Quantity Utilized (MT)       |   |  |
|         |                      |   | Co-processing in Cement Kiln | Under Rules 9 Other than Co-Porcessing) | Captive Utiliziation /other than coloumn 19 & 20 |  | Co-processing in Cement Kiln | Under Ruels 9 Other than Co-Porcessing) | Captive Utiliziation /other than coloumn 19 & 20 |
|         |                      |   |                              |   |  |  |                              |   |  |
| 1       | S. Kharsawan         | 1764  | 0                            | 0                                       | 0  | 0  | 0                            | 0                                       | 0  |
| 2       | East Singhbhum       | 0   | 0                            | 0                                       | 0  | 0  | 0                            | 0                                       | 0  |
| 3       | West Singhbhum       | 0   | 1230.29                      | 0                                       | 0  | 0  | 0                            | 0                                       | 0  |
| 5       | Bokaro               | 1873.24   | 0                            | 0                                       | 45325.62   | 0  | 0                            | 0                                       | 0  |
| 6       | Dhanbad              | 138.43  | 0                            | 0                                       | 28.54  | 0  | 0                            | 0                                       | 0  |
| 7       | Ranchi               | 80  | 0                            | 0                                       | 0  | 0  | 0                            | 0                                       | 0  |
| 8       | Palamu               | 6   | 0                            | 0                                       | 0  | 0  | 0                            | 0                                       | 0  |
| 9       | Garhwa               | 1   | 0                            | 0                                       | 0  | 0  | 0                            | 0                                       | 0  |
| 10      | Latehar              | 3   | 0                            | 0                                       | 0  | 0  | 0                            | 0                                       | 0  |
| 11      | Lohardaga            | 8   | 0                            | 0                                       | 0  | 0  | 0                            | 0                                       | 0  |
| 12      | Simdega              | 0.3   | 0                            | 0                                       | 0  | 0  | 0                            | 0                                       | 0  |
| 13      | Gumla                | 2.4   | 0                            | 0                                       | 0  | 0  | 0                            | 0                                       | 0  |
| 14      | Khunti               | 0.2   | 0                            | 0                                       | 0  | 0  | 0                            | 0                                       | 0  |
| 15      | Jamtara              | 0   | 0                            | 0                                       | 0  | 0  | 0                            | 0                                       | 0  |
| 16      | Godda                | 0   | 0                            | 0                                       | 0  | 0  | 0                            | 0                                       | 0  |
| 17      | Deoghar              | 0   | 0                            | 0                                       | 0  | 16   | 0                            | 0                                       | 0  |
| 18      | Pakur                | 0   | 0                            | 0                                       | 0  | 0  | 0                            | 0                                       | 0  |
| 19      | Sahibganj            | 0   | 0                            | 0                                       | 0  | 0  | 0                            | 0                                       | 0  |
| 20      | Dumka                | 0   | 0                            | 0                                       | 0  | 0  | 0                            | 0                                       | 0  |
|         | <b>Total</b>         | <b>3876.57</b>  | <b>1230.29</b>               | <b>0</b>                                | <b>45354.16</b>                                  | <b>16</b>  | <b>0</b>                     | <b>0</b>                                | <b>0</b>   |

**Table 13(d): Jharkhand-Details on Hazardous Waste Disposed**

| Sr. No. | Name fo 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                        |                | Quantity disposed through Incinerator (MT) |                | Quantity Disposed in Secured Landfill                       |          | Quantity Disposed through incinerator (MT) |          |
|         |                      | Common   | Captive        | Common                                     | Captive        | Common  | Captive  | Common                                     | Captive  |
|         |                      | 22   | 23             | 24   | 25             | 26  | 27       | 28   | 29       |
| 1       | S. Kharsawan         | 432.89   | 0              | 0  | 0              | 0   | 0        | 0  | 0        |
| 2       | East Singhbhum       | 0  | 0              | 0  | 192            | 0   | 0        | 0  | 0        |
| 3       | West Singhbhum       | 0  | 0              | 0  | 0              | 0   | 0        | 0  | 0        |
| 4       | Bokaro               | 0  | 2542.92        | 0  | 1189.01        | 0   | 0        | 0  | 0        |
| 5       | Dhanbad              | 0  | 0.5            | 0  | 289.32         | 0   | 0        | 0  | 0        |
| 6       | Ranchi               | 0  | 2.5            | 0  | 2              | 0   | 0        | 0  | 0        |
| 7       | Palamu               | 0  | 1              | 0  | 0              | 0   | 0        | 0  | 0        |
| 8       | Garhwa               | 0  | 0              | 0  | 0              | 0   | 0        | 0  | 0        |
| 9       | Latehar              | 0  | 0              | 0  | 0              | 0   | 0        | 0  | 0        |
| 10      | Lohardaga            | 0  | 0              | 0  | 0              | 0   | 0        | 0  | 0        |
| 11      | Simdega              | 0  | 0              | 0  | 0              | 0   | 0        | 0  | 0        |
| 12      | Gumla                | 0  | 0              | 0  | 0              | 0   | 0        | 0  | 0        |
| 13      | Khunti               | 0  | 0              | 0  | 0              | 0   | 0        | 0  | 0        |
| 14      | Jamtara              | 0  | 0              | 0  | 0              | 0   | 0        | 0  | 0        |
| 15      | Godda                | 0  | 0              | 0  | 0              | 0   | 0        | 0  | 0        |
| 16      | Deoghar              | 0  | 0              | 0  | 0              | 0   | 0        | 0  | 0        |
| 17      | Pakur                | 0  | 0              | 0  | 0              | 0   | 0        | 0  | 0        |
| 18      | sahibganj            | 0  | 0              | 0  | 0              | 0   | 0        | 0  | 0        |
| 19      | Dumka                | 0  | 0              | 0  | 0              | 0   | 0        | 0  | 0        |
|         | <b>Total</b>         | <b>432.89</b>  | <b>2546.92</b> | <b>0</b>                                   | <b>1672.33</b> | <b>0</b>  | <b>0</b> | <b>0</b>                                   | <b>0</b> |

**Table 13(e): Jharkhand-Details on Hazardous Waste Stored at Occupier Premises**

| Sr. No. | Name of the District | total Quantity of HW Stored at Occupier premises at the beginning of the financial year i.e. 01.04.2017 (MT) |               |                |            | Total Quantity of HW Stored at Occupier premises during the financial year i.e. 1st April to 31st March, 2018 MT |               |                |             |
|---------|----------------------|--|---------------|----------------|------------|--|---------------|----------------|-------------|
|         |                      | Landfillable   | Incinerable   | Recyclable     | Utilizable | Landfillable   | Incinerable   | Recyclable     | Utilizable  |
|         |                      | 30   | 31            | 32             | 33         | 34   | 35            | 36             | 37          |
| 1       | S. Kharsawan         | 252.09   | 64.22         | 40.78          | 5.45       | 215.04   | 33.73         | 29.18          | 4.34        |
| 2       | East Singhbhum       | 19820  | 15.33         | 1078.17        | 0.76       | 15415.17   | 30.65         | 2136.27        | 0.85        |
| 3       | West Singhbhum       | 4057.05  | 284.5         | 20.87          | 0.45       | 4425   | 269.5         | 55.18          | 0.5         |
| 4       | Bokaro               | 0  | 0             | 271.83         | 1.36       | 0  | 0             | 475.98         | 1.02        |
| 5       | Dhanbad              | 0  | 0             | 32.11          | 0.48       | 0.0052   | 0.83          | 81.78          | 0.52        |
| 6       | Ranchi               | 1.63   | 2             | 66.37          | 0          | 2.5  | 2             | 80             | 0           |
| 7       | Palamu               | 1  | 0             | 5.5            | 0          | 1  | 0             | 6              | 0           |
| 8       | Garhwa               | 0  | 0             | 0.8            | 0          | 0  | 0             | 1              | 0           |
| 9       | Latehar              | 0  | 0             | 3              | 0          | 0  | 0             | 3              | 0           |
| 10      | Lohardaga            | 0  | 0             | 8              | 0          | 0  | 0             | 8              | 0           |
| 11      | Simdega              | 0  | 0             | 0.3            | 0          | 0  | 0             | 0.3            | 0           |
| 12      | Gumla                | 0  | 0             | 2.4            | 0          | 0  | 0             | 2.4            | 0           |
| 13      | Khunti               | 0  | 0             | 0.2            | 0          | 0  | 0             | 0.2            | 0           |
| 14      | Jamtara              | 0  | 0             | 0              | 0          | 0  | 0             | 0              | 0           |
| 15      | Godda                | 0  | 0             | 0              | 0          | 0  | 0             | 108.07         | 0           |
| 16      | Deoghar              | 0  | 0             | 0              | 0          | 0  | 0             | 21.6           | 0           |
| 17      | Pakur                | 0  | 0             | 0              | 0          | 0  | 0             | 0              | 0           |
| 18      | sahibganj            | 0  | 0             | 0              | 0          | 0  | 0             | 0              | 0           |
| 19      | Dumka                | 0  | 0             | 0              | 0          | 0  | 0             | 0              | 0           |
|         | <b>Total</b>         | <b>24131.77</b>  | <b>366.05</b> | <b>1530.33</b> | <b>8.5</b> | <b>20058.7152</b>  | <b>336.71</b> | <b>3008.96</b> | <b>7.23</b> |



**Table 13(f): Jharkhand-Details on Recycling / Utilization/Co-Processing of Hazardous Waste**

| S. No.   | Type of Recycling Facilities  | Total No. of Facilities authorizaed for recycling / Utilization / co-processing of HW | Total Authorized Capacity (MTA) | Total Quantity Recycled/ Utilized / Co-prcoessed (MT) |
|----------|---|---|---------------------------------|---|
| <b>A</b> | <b>Commonly recyclable HW</b>   |   |                                 |   |
| 1        | Brass Dross   | NIL   | NIL                             | NIL   |
| 2        | Zinc Bearing Wastes   | 2   | 19.6                            |   |
| 3        | Copper Bearing Waste  | NIL   | NIL                             | NIL   |
| 4        | Spent Catalyst containign nickel, cadmium, Zinc, copper, arsenic, vanadium and cobatt.                        | NIL   | NIL                             | NIL   |
| 5        | Lead bearing waste including battery waste  | 2   | 3002                            | 3002  |
| 6        | E-waste   | NIL   | NIL                             | NIL   |
| 7        | Paint and ink Sludge/ residues  | NIL   | NIL                             | NIL   |
| 8        | Used Oil  | 4   | 28027                           | 4534  |
| 9        | Waste Oil   |   |                                 |   |
|          | <b>Total</b>  | <b>8</b>  | <b>31048.6</b>                  | <b>7536</b>   |
| <b>B</b> | <b>Utilization of HW under Rule 9</b>   |   |                                 |   |
|          | Utilization of spent fixer (Hypo) solution generated from Photography / X-rays films to recover silver metal. | 2   | 200                             | NIL   |
|          | <b>Total</b>  | <b>2</b>  | <b>200</b>                      | <b>0</b>  |
| <b>C</b> | <b>Co-processing in Cement Plants</b>   | 1   | 23500                           | 1230.29   |

**Table 13(g): Jharkhand-List of Authorized Recyclers/ Utilizers/Co-processors of Hazardous Waste**

| 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)   |
|------|--|--|--|--|
| 1    | M/s Trident Metal Energy Pvt. Ltd., At PO. Karharia, Dist. Bokaro                          | Lead metal from scrap batteries                        | 3000   | NA   |
| 2    | M/s Anmonl Agrifarm Input Pvt Ltd, Jasidih, Deoghar  | Zinc Bearing Waste Mud                                 | 16 T/A   | 16 T/A   |
| 3    | M/s Mangalam Lubricants Pvt. Ltd., At.-Ranchi Khunti Road, Po-Hardag, Dist.-Ranchi- 835221 | i. Used Oil,   | Used Oil: 15318<br>Waste oil: 6808<br>Registration certificate no.-B29016(44)1(Reg.)/09HMMMD, dated-19.08.2009 | Used Oil: 2484<br>Waste oil: 379.04              |
| 4    | M/s Tirupati Chemicals and Industries, At.+Po-Mahilong, Dist.-Ranchi.                      | i. Zinc Ash Powder<br>ii. Zinc Dross                   | Zinc Ash Powder and Zinc Dross- 3.6TPD   | Zinc Ash Powder and Zinc Dross- 600-700 MT/annum |
| 5    | M/s Poddar Agrotech, At.-Tupudana Industrial Area, Po-Hatia, Dist.-Ranchi.                 | 1. Lead Metal From Scrap Battery<br>2. Lead Sludge/Ash | Lead-2.0MTD<br>Lead Sludge/Ash-120TPA  | Lead-2.0MTD<br>Lead Sludge/Ash-12 TPA            |
| 6    | M/s ACC Ltd, At- Jhinkpani, W. Singhbhum   | -  | 23500 MT/y   | 1230.29  |
| 7    | M/s Jamshedpur Lubricant 6th-phase, AIA, S. Kh   | Used oil   | 3312   | 378.63   |
| 8    | M/s Bolbum Petroleum 3rd-phase, AIA, S. Kh   | Used oil and waste oil                                 | 4968   | 1243.84  |
| 9    | M/s Jamura Lubricants, 6th-phase, AIA, S. Kh   | Zinc Ash   | 9750   | 3150   |
| 10   | M/s Tata Steel Ltd., Jamshedpur, East Singhbhum  | Captive Utilization                                    | 359703   |  |

**Table 13(h): Jharkhand-Details of Hazardous waste disposed in Common TSDF(s)**

| S. N. | 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 Pre-Processing for utilization (MT) | Quantity in Stock at the end of the Year (MT) |             | Cumulative HW disposed in SLF by the end of financial year (MT) | Capacity           |                   |                 |
|-------|--|---|-------------|---|------------------------------|------------------|---|-------------------------------------|----------------------|--|---|-------------|---|--------------------|-------------------|-----------------|
|       |  | Landfillable (DLF + LAT)                            | Incinerable | For Direct Landfill                       | For Landfill after treatment | for Incineration | Quantity Landfilled directly              | Quantity Landfilled after treatment | Quantity Incinerated |  | Landfillable                                  | Incinerable |   | Incinerator (Kcal) | Incinerator (T/H) | Landfill (MT/A) |
| 1     | M/s Adityapur Waste Management Pvt. Ltd. Dugni, Saraikel a Kharsawan | NIL   | NIL         | NIL                                       | NIL                          | NIL              | NIL                                       | 432.89                              | NIL                  | NIL  | 9.39  | NIL         | 432.89  | 0                  | 0.5               | 17.4            |

**Table 13(i): Jharkhand-Details of Hazardous waste disposed in Captive TSDF(s)**

| Sr. 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 (T/H) | Landfill (MT) |                                  |  |
| 1       | M/s Tata Motors Ltd., Jamshedpur, East Singhbhum | Incinerable                                      | 0.25              | N/A           | 152 T                            | 3463.84  |

**14.**  
**KARNATAKA**  
**(Hazardous waste generation and its Management)**

**Table 14(a): Karnataka -District-wise details on Hazardous Waste Generation**

| S.No | Name of the District | Number of HW Generating Industry | Authorized Quantity of Hazardous Waste (Metric Tonne) |             |            |            | •Quantity of Hazardous Waste generated as per Annual Return within the State/UT (Metric Tonne) |             |            |            | Quantity of HW imported during the year(Metric Tonne) | Quantity of HW exported during the year(Metric Tonne) |
|------|----------------------|----------------------------------|---|-------------|------------|------------|--|-------------|------------|------------|---|---|
|      |                      |                                  | Landfillable  | Incinerable | Recyclable | Utilizable | Landfillable   | Incinerable | Recyclable | Utilizable |   |   |
|      |                      | 1                                | 2   | 3           | 4          | 5          | 6  | 7           | 8          | 9          | 10  | 11  |
| 1    | Anekal               | 217                              | 9960.67   | 38396.19    | 81649.71   | 18333.83   | 5309.84  | 2962.48     | 2861.03    | 0          | 0   |   |
| 2    | Bommanahalli         | 220                              | 126.8   | 210.6       | 304.2      | 0          | 102.8  | 180.3       | 257.6      | 0          | 0   | 0   |
| 3    | Sarjapur             | 197                              | 91.15   | 1413.22     | 1388.07    | 0          | 85   | 1150.35     | 1180.62    | 0          | 0   | 0   |
| 4    | R.R.Nagar            | 89                               | 1851.7  | 249.525     | 550.192    | 0          | 1162.02  | 63.23945    | 306.488    | 0          | 0   | 0   |
| 5    | Ramanagara           | 148                              | 2848  | 11862       | 14923      | 1451       | 392  | 1875        | 4411       | 451.3      | 0   | 0   |
| 6    | Bangalore city east  | 129                              | 31.42   | 32.585      | 136.23     | 0          | 31.32  | 31.34       | 9.67       | 0          | 0   | 0   |
| 7    | Bangalore city west  | 147                              | 66.18   | 200.02      | 1710.149   | 0          | 64.82  | 186.5       | 1680.23    | 0          | 0   | 0   |
| 8    | Bangalore city South | 63                               | 686.11  | 664.0445    | 705.908    | 0          | 118.25   | 662.2       | 680.25     | 0          | 0   | 0   |
| 9    | Bangalore Peenya     | 259                              | 1471  | 541         | 2308       | 0          | 620  | 274         | 747        | 0          | 0   | 0   |
| 10   | Yalahanka            | 65                               | 315.1   | 2505.61     | 5819.49    | 0          | 307.16   | 1907.22     | 4506       | 0          | 0   | 0   |
| 11   | Dasarahalli          | 73                               | 3076.56   | 1487.422    | 13930.25   | 0          | 70.05902   | 527.4643    | 1127.215   | 0          | 0   | 0   |
| 12   | Nelamangala          | 105                              | 2058.74   | 3115.35     | 3057.97    | 0          | 2037.44  | 2260.14     | 1587.75    | 0          | 0   | 0   |
| 13   | Doddaballapura       | 61                               | 2320.9  | 662.38      | 1473.43    | 0          | 2264.14  | 456.79      | 1099.15    | 0          | 0   | 0   |
| 14   | Mahadevpura          | 206                              | 828.9   | 1682.77     | 4180.95    | 0          | 504.47   | 1318.86     | 3542.71    | 0          | 0   | 0   |
| 15   | Kolar                | 77                               | 3182  | 1943        | 43296      | 0          | 2510   | 669         | 681.11     | 0          | 0   | 0   |
| 16   | Chikballapura        | 13                               | 345.97  | 980.02      | 204.76     | 0          | 179.97   | 33.97       | 18.3       | 0          | 0   | 0   |
| 17   | Hoskote              | 73                               | 9320.5  | 1877.93     | 28815.24   | 0          | 510.39   | 1075.31     | 2389.78    | 0          | 0   | 0   |
| 18   | Chamarajanag         | 7                                | 0   | 3.43        | 83.884     | 0          | 0  | 2.267       | 61.788     | 0          | 0   | 0   |

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| S.N<br>O | Name of the<br>District | Number<br>of HW<br>Generati<br>ng<br>Industry | Authorized Quantity of Hazardous Waste<br>(Metric Tonne) |                 |                |                | •Quantity of Hazardous Waste generated as<br>per Annual Return within the State/UT<br>(Metric Tonne) |                 |                |                | Quantity<br>of HW<br>imported<br>during<br>the<br>year(Met<br>ric<br>Tonne) | Quantity of HW<br>exported<br>duringthe<br>year(MetricTon<br>ne) |
|----------|-------------------------|---|--|-----------------|----------------|----------------|--|-----------------|----------------|----------------|---|--|
|          |                         |   | Landfillab<br>le   | Incinerabl<br>e | Recyclabl<br>e | Utilizabl<br>e | Landfillab<br>le   | Incinerab<br>le | Recyclabl<br>e | Utilizab<br>le |   |  |
|          | ara                     |   |  |                 |                |                |  |                 |                |                |   |  |
| 19       | Hassan                  | 50  | 2751   | 436             | 12529          | 0              | 3034.00  | 47.17           | 1970.62        |                | 0   | 0  |
| 20       | Mandya                  | 55  | 12.92  | 1307.52         | 535.36         |                | 3.743  | 27.71           | 255.11         |                | 0   | 0  |
| 21       | Mysuru-1                | 58  | 767.55   | 3151.061        | 8141.649<br>9  | 0              | 406.9078   | 1730.935<br>1   | 2728.335<br>1  | 0              | 0   | 0  |
| 22       | Mysuru-2                | 27  | 8627.2   | 557.55          | 15810.99       | 2867.322<br>7  | 4131.913   | 309.5758        | 9185.124<br>8  | 2038.58        | 532.465   | 50.385   |
| 23       | Kodagu                  | 10  | 0.2  | 2.18122         | 21.324         | 0              | 0  | 0.25225         | 1.1241         | 0              | 0   | 0  |
| 24       | Dakshina<br>Kannada     | 140   | 8743.3   | 2689.827        | 7247.563       | 3513.054       | 4493.45  | 213.51          | 3082.17        | 1719.59        | 0   | 0  |
| 25       | Udupi                   | 33  | 1348   | 241             | 48             | 450            | 1258   | 24              | 43             | 202            | 0   | 0  |
| 26       | Karwar                  | 33  | 0  | 224.19          | 2460.16        | 0              | 0.192  | 1.3             | 30             | 0              | 0   | 0  |
| 27       | Chikkamagal<br>uru      | 3   | 0  | 0               | 2.5            | 0              | 0  | 0               | 1.5            | 0              | 0   | 0  |
| 28       | Ballary                 | 66  | 513.74   | 1224.7          | 2427.69        | 205861.1<br>8  | 406.32   | 911.45          | 2192.55        | 170569         | 0   | 0  |
| 29       | Koppal                  | 33  | 10   | 6.45            | 53.59          | 0              | 3  | 5.35            | 49.07          | 0              | 0   | 0  |
| 30       | Raichur                 | 25  | 2645.599   | 1396.867        | 1120.063       | 0              | 659.359  | 24.463          | 279.977        | 0              | 0   | 0  |
| 31       | Kalaburagi              | 12  | 0  | 0               | 44135.87<br>5  | 0              | 0  | 0               | 663            | 0              | 0   | 0  |
| 32       | Bidar                   | 19  | 0  | 0               | 6051.025       | 0              | 924.803  | 0               | 0.2            | 0              | 0   | 0  |
| 33       | Vijayapura              | 29  | 0  | 0               | 103.653        | 0              | 0  | 0               | 91.624         | 0              | 0   | 0  |
| 34       | Yadgir                  | 9   | 0  | 0               | 3              | 0              | 0  | 0               | 3              | 0              | 0   | 0  |
| 35       | Dharwad                 | 100   | 939.23   | 810             | 3713.84        | 161.42         | 247.81   | 346.944         | 1075.25        | 161.42         | 0   | 0  |
| 36       | Belagavi                | 105   | 676.72   | 28.433          | 1005.52        | 7.83           | 220.747  | 249.99          | 14939.53<br>8  | 13657.3<br>8   | 0   | 0  |
| 37       | Chikkodi                | 46  | 73.37  | 573.18          | 792.66         | 600            | 27.85  | 687.23          | 382.8          | 581            | 0   | 0  |

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| S.N O | Name of the District | Number of HW Generating Industry | Authorized Quantity of Hazardous Waste (Metric Tonne) |                    |                  |                  | Quantity of Hazardous Waste generated as per Annual Return within the State/UT (Metric Tonne) |                  |                  |                 | Quantity of HW imported during the year (Metric Tonne) | Quantity of HW exported during the year (Metric Tonne) |
|-------|----------------------|----------------------------------|---|--------------------|------------------|------------------|---|------------------|------------------|-----------------|--|--|
|       |                      |                                  | Landfillable  | Incinerable        | Recyclable       | Utilizable       | Landfillable  | Incinerable      | Recyclable       | Utilizable      |  |  |
| 38    | Haveri               | 18                               | 0   | 6.45               | 10               | 53.59            | 0   | 5.35             | 8.65             | 49.07           | 0  | 0  |
| 39    | Gadag                | 14                               | 0   | 12.01              | 99.55            | 0.0084           | 0   | 12.01            | 99.55            | 0.0084          | 0  | 0  |
| 40    | Bagalakote           | 41                               | 0   | 9.48               | 95.81            | 399663           | 0   | 7.21             | 73.43            | 1313.02         | 0  | 0  |
| 41    | Tumkuru              | 89                               | 574.731   | 3446.162           | 38706.017        | 0                | 97.258  | 1288.21          | 2238.582         | 0               | 0  | 0  |
| 42    | Davanagere           | 37                               | 153   | 12.22              | 215.93           | 0                | 10.921  | 0.34             | 100.09           | 0               | 0  | 0  |
| 43    | Chitradurga          | 21                               | 0   | 3.307              | 0.0655           | 31.304           | 0   | 1.14             | 0.275            | 26.755          | 0  | 0  |
| 44    | Shivamoga            | 80                               | 1860  | 37.1               | 132.78           | 138.78           | 4142.25   | 20.08            | 76.164           | 76.164          | 0  | 0  |
|       | <b>Total</b>         | <b>3302</b>                      | <b>68278.26</b>                                       | <b>84002.78672</b> | <b>350001.05</b> | <b>633132.32</b> | <b>36338.2058</b>   | <b>21550.655</b> | <b>66718.425</b> | <b>190845.3</b> | <b>532.465</b>   | <b>50.385</b>  |

Table 14(b): Karnataka- 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  | Quantity sent (MT) |
|      |   |  | 12                     |  | 13                 |
| 1    | For disposal at common secured landfill |  |                        |  |                    |
| 2    | For disposal at common Incinerator      |  |                        |  |                    |
| 3    | For recycling by Schedule IV recyclers  | 1. Tamilnadu                                 | 585                    | 1. Vinayaka Lubricants<br>No. 67, Sidco Industrial Estate, Salem Bye Pass Road, Karur 639006 | 84.5               |
|      |   |  |                        | 2. Madhya Pradesh  | 242.01             |

| 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      | Quantity sent (MT) |
|      |   |  | 12                     |  | 13                 |
|      |   |  |                        | 3. Gujarat                             | 460                |
|      |   |  |                        | 4. Chattisgarh                         | 48                 |
| 4    | For utilization in co-processing (cement plants)        | 1. Andhra & Telangana                        | 31989.9                |  |                    |
| 5    | For utilization under Rule 9 (other than co-processing) |  |                        |  |                    |

Table 14(c): Karnataka-Details on Hazardous Waste Recycled and Utilized

| S.No | Name of the District (Regional Office Wise) | 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 Waste (MT)) | Quantity Utilized (MT)       |                          |   | Quantity of waste Recycled (listed under Schedule-IV Hazardous Waste (MT)) | Quantity Utilized (MT)       |                                       |   |
|      |   |  | Co-processing in Cement Kiln | Other than co-processing | Captive Utilization (other than column 15 & 16) |  | Co-processing in cement kiln | Under Rule 9 Other than co-processing | Captive Utilization (other than column 19 & 20) |
| 14   | 15  | 16   | 17                           | 18                       | 19  | 20   | 21                           |                                       |   |
| 1    | Anekal                                      | 5368.83  | 0                            | 0                        | 0   | 0  | 0                            | 0                                     |   |
| 2    | Bommanahalli                                | 0  | 0                            | 0                        | 0   | 0  | 0                            | 0                                     |   |
| 3    | Sarjapur                                    | 0  | 0                            | 0                        | 0   | 0  | 0                            | 0                                     |   |
| 4    | R.R.Nagar                                   | 300.641  | 0                            | 0                        | 0   | 0  | 0                            | 0                                     |   |
| 5    | Ramanagara                                  | 4353   | 451.3                        | 0                        | 0   | 0  | 0                            | 0                                     |   |
| 6    | Bangalore city east                         | 9.67   | 0                            | 0                        | 0   | 0  | 0                            | 0                                     |   |



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| S.No | Name of the District (Regional Office Wise) | 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 Waste (MT) | Quantity Utilized (MT)       |                          |   | Quantity of waste Recycled (listed under Schedule - IV Hazardous Waste(MT) | Quantity Utilized(MT)        |                                      |  |
|      |   |  | Co-processing in Cement Kiln | Other than co-processing | Captive Utilization(otherthancolumn15&16) |  | Co-processing in cement kiln | Under Rule9 Other than co-processing | Captive Utilization (other than column 19 &20) |
|      |   | 14   | 15                           | 16                       | 17  | 18   | 19                           | 20                                   | 21   |
| 7    | Bangalore city west                         | 0  | 0                            | 0                        | 0   | 0  | 0                            | 0                                    | 0  |
| 8    | Bangalore city South                        | 0  | 0                            | 0                        | 0   | 0  | 0                            | 0                                    | 0  |
| 9    | Bangalore Peenya                            | 746  | 0                            | 0                        | 0   | 0  | 0                            | 0                                    | 0  |
| 10   | Yalahanka                                   | 0  | 0                            | 0                        | 0   | 0  | 0                            | 0                                    | 0  |
| 11   | Dasarahalli                                 | 1127.215   | 0                            | 1127.215                 | 0   | 0  | 0                            | 0                                    | 0  |
| 12   | Nelamangala                                 | 1527.88  | 0                            | 1527.88                  | 0   | 0  | 0                            | 0                                    | 0  |
| 13   | Doddaballapura                              | 0  | 0                            | 0                        | 0   | 0  | 0                            | 0                                    | 0  |
| 14   | Mahadevpura                                 | 3438.14  | 0                            | 0                        | 0   | 0  | 0                            | 0                                    | 0  |
| 15   | Kolar                                       | 1809.36  | 0                            | 0                        | 0   | 0  | 0                            | 0                                    | 0  |
| 16   | Chikballapura                               | 15.39  | 0                            | 0                        | 0.022                                     | 0  | 0                            | 0                                    | 0  |
| 17   | Hoskote                                     | 2389.78  | 0                            | 0                        | 0   | 0  | 0                            | 0                                    | 0  |
| 18   | Chamarajanagara                             | 61.788   | 0                            | 0                        | 0   | 0  | 0                            | 0                                    | 0  |
| 19   | Hassan                                      | 1385.62  | 0                            | 1385.62                  | 0   | 585  |                              | 585                                  |  |
| 20   | Mandya                                      | 275.73   | 0                            | 0                        | 0   | 0  | 0                            | 0                                    | 0  |
| 21   | Mysuru-1                                    | 2688.5341  | 0                            | 0                        | 0   | 0  | 0                            | 0                                    | 0  |
| 22   | Mysuru-2                                    | 7539.290072  | 2001.098                     | 1653.9                   | 0   | 0  | 0                            | 0                                    | 0  |

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| S.No | Name of the District (Regional Office Wise) | 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 Waste (MT) | Quantity Utilized (MT)       |                          |  | Quantity of waste Recycled (listed under Schedule - IV Hazardous Waste(MT) | Quantity Utilized(MT)        |                                       |  |
|      |   |  | Co-processing in Cement Kiln | Other than co-processing | Captive Utilization(other than column 15&16) |  | Co-processing in cement kiln | Under Rule 9 Other than co-processing | Captive Utilization (other than column 19 &20) |
|      |   | 14   | 15                           | 16                       | 17   | 18   | 19                           | 20                                    | 21   |
| 23   | Kodagu                                      | 6.03   | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 24   | Dakshina Kannada                            | 890.18   | 921.81                       | 0                        | 665  | 0  | 0                            | 0                                     | 0  |
| 25   | Udupi                                       | 450  | 0                            | 202                      | 0  | 0  | 0                            | 0                                     | 0  |
| 26   | Karwar                                      | 0  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 27   | Chikkmagaluru                               | 0  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 28   | Ballary                                     | 4512.625   | 1603                         | 2320                     | 167608                                       | 0  | 0                            | 0                                     | 0  |
| 29   | Koppal                                      | 49.07  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 30   | Raichur                                     | 0  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 31   | Kalaburagi                                  | 663  | 20000                        | 0                        | 0  | 0  | 31989.9                      | 0                                     | 0  |
| 32   | Bidar                                       | 0.2  | 650.025                      | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 33   | Vijayapura                                  | 91.624   | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 34   | Yadagiri                                    | 3  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 35   | Dharwad                                     | 1075.25  | 161.42                       | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 36   | Belagavi                                    | 14939.538  | 0                            | 0                        | 13657.377                                    | 0  | 0                            | 0                                     | 0  |
| 37   | Chikkodi                                    | 0  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 38   | Haveri                                      | 10   | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 39   | Gadag                                       | 0  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 40   | Bagalakote                                  | 73.43  | 755.69                       | 0                        | 0  | 0  | 557.325                      | 0                                     | 0  |
| 41   | Tumkuru                                     | 0  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |

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| S.No | Name of the District (Regional Office Wise) | 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 Waste (MT) | Quantity Utilized (MT)       |                          |  | Quantity of waste Recycled (listed under Schedule-IV Hazardous Waste(MT)  | Quantity Utilized(MT)        |                                       |  |
|      |   |  | Co-processing in Cement Kiln | Other than co-processing | Captive Utilization(other than column 15&16) |   | Co-processing in cement kiln | Under Rule 9 Other than co-processing | Captive Utilization (other than column 19 &20) |
|      |   | 14   | 15                           | 16                       | 17   | 18  | 19                           | 20                                    | 21   |
| 42   | Davanagere                                  | 0  | 0                            | 0                        | 0  | 0   | 0                            | 0                                     | 0  |
| 43   | Chitradurga                                 | 0.275  | 0                            | 0                        | 26.755                                       | 0   | 0                            | 0                                     | 0  |
| 44   | Shivamoga                                   | 72.35  | 0                            | 1.536                    | 0  | 0   | 0                            | 0                                     | 0  |
|      | <b>Total</b>                                | <b>55423.444</b>   | <b>26544.34</b>              | <b>8218.151</b>          | <b>181957.154</b>                            | <b>585</b>  | <b>32547.22</b>              | <b>585</b>                            | <b>0</b>                                       |

Table 14(d): Karnataka-Details on Hazardous Waste Disposed

| S.NO | Name of the District (Regional Office Wise) | 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 Secured landfill (MT)                |         | Quantity Disposed through Incinerator (MT) |         |
|      |   | Common  | Captive | Common                                     | Captive | Common  | Captive | Common                                     | Captive |
|      |   | 22  | 23      | 24   | 25      | 26  | 27      | 28   | 29      |
| 1    | Anekal                                      | 5309.84   | 0       | 2962.48                                    | 0       | 0   | 0       | 0  |         |
| 2    | Bommanahalli                                | 102.8   | 0       | 162.05                                     | 18.25   | 0   | 0       | 0  |         |
| 3    | Sarjapur                                    | 85  | 2324    | 1150.35                                    | 231     | 0   | 0       | 0  |         |
| 4    | R.R.Nagar                                   | 1150.96   | 0       | 63.9938                                    | 0       | 0   | 0       | 0  |         |
| 5    | Ramanagara                                  | 352   | 0       | 1497                                       | 0       | 0   | 0       | 0  |         |
| 6    | Bangalore city east                         | 31.32   | 0       | 31.34                                      | 0       | 0   | 0       | 0  |         |

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| S.NO | Name of the District (Regional Office Wise) | Disposal of hazardous waste(generated within the State/ UT] |         |  |         | Disposal of hazardous waste(receivedfromotherState/UT) |         |  |         |
|------|---|---|---------|--|---------|--|---------|--|---------|
|      |   | Quantity Disposed In Secured landfill (MT)                  |         | Quantity Disposed through Incinerator (MT) |         | Quantity Disposed In Secured landfill (MT)             |         | Quantity Disposed through Incinerator (MT) |         |
|      |   | Common  | Captive | Common                                     | Captive | Common   | Captive | Common                                     | Captive |
|      |   | 22  | 23      | 24   | 25      | 26   | 27      | 28   | 29      |
| 7    | Bangalore city west                         | 64.8  | 0       | 186.5                                      | 0       | 0  | 0       | 0  | 0       |
| 8    | Bangalore city South                        | 110.25  | 0       | 680.25                                     | 0       | 0  | 0       | 0  | 0       |
| 9    | Bangalore Peenya                            | 583   | 0       | 275  | 0       | 0  | 0       | 0  | 0       |
| 10   | Yalahanka                                   | 0   | 0       | 0  | 0       | 0  | 0       | 0  | 0       |
| 11   | Dasarahalli                                 | 70.059  | 0       | 527.46434                                  | 0       | 0  | 0       | 0  | 0       |
| 12   | Nelamangala                                 | 1696.66   | 0       | 2145.33                                    | 0       | 0  | 0       | 0  | 0       |
| 13   | Doddaballapura                              | 0   | 0       | 0  | 0       | 0  | 0       | 0  | 0       |
| 14   | Mahadevpura                                 | 564.47  | 0       | 635.2                                      | 713.66  | 0  | 0       | 0  | 0       |
| 15   | Kolar                                       | 2443.00   | 0       | 650  | 0       | 0  | 0       | 0  | 0       |
| 16   | Chikballapura                               | 179.2   | 0       | 18.77                                      | 0       | 0  | 0       | 0  | 0       |
| 17   | Hoskote                                     | 510.4   | 0       | 1075.3                                     | 0       | 0  | 0       | 0  | 0       |
| 18   | Chamarajanagara                             | 0   | 0       | 2.267                                      | 0       | 0  | 0       | 0  | 0       |
| 19   | Hassan                                      | 3033.75   | 0       | 48.17                                      | 0       | 0  | 0       | 0  | 0       |
| 20   | Mandya                                      | 6.64  | 0       | 39.46                                      | 0       | 0  | 0       | 0  | 0       |
| 21   | Mysuru-1                                    | 410.808   | 0       | 2101.9591                                  | 0       | 0  | 0       | 0  | 0       |
| 22   | Mysuru-2                                    | 4134.3  | 0       | 292.055                                    | 0       | 0  | 0       | 0  | 0       |
| 23   | Kodagu                                      | 0   | 0       | 0.1725                                     | 0       | 0  | 0       | 0  | 0       |
| 24   | Dakshina Kannada                            | 4469.45   | 24.00   | 184  | 0       | 0  | 0       | 0  | 0       |
| 25   | Udupi                                       | 1302  | 46      | 255  | 0       | 0  | 0       | 0  | 0       |
| 26   | Karwar                                      | 0   | 0       | 0  | 0       | 0  | 0       | 0  | 0       |
| 27   | Chikkamgaluru                               | 0   | 0       | 0  | 0       | 0  | 0       | 0  | 0       |
| 28   | Ballary                                     | 406.32  | 0       | 451.65                                     | 790.2   | 0  | 0       | 0  | 0       |

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| S.NO | Name of the District (Regional Office Wise) | Disposal of hazardous waste(generated within the State/ UT] |             |  |                  | Disposal of hazardous waste(receivedfromotherState/UT) |          |  |          |
|------|---|---|-------------|--|------------------|--|----------|--|----------|
|      |   | Quantity Disposed In Secured landfill (MT)                  |             | Quantity Disposed through Incinerator (MT) |                  | Quantity Disposed In Secured landfill (MT)             |          | Quantity Disposed through Incinerator (MT) |          |
|      |   | Common  | Captive     | Common                                     | Captive          | Common   | Captive  | Common                                     | Captive  |
|      |   | 22  | 23          | 24   | 25               | 26   | 27       | 28   | 29       |
| 29   | Koppal                                      | 0   | 0           | 5.35                                       | 0                | 0  | 0        | 0  | 0        |
| 30   | Raichur                                     | 0   | 0           | 0  | 0                | 0  | 0        | 0  | 0        |
| 31   | Kalaburagi                                  | 0   | 0           | 0  | 0                | 0  | 0        | 0  | 0        |
| 32   | Bidar                                       | 924.803   | 0           | 0  | 0                | 0  | 0        | 0  | 0        |
| 33   | Vijayapura                                  | 0   | 0           | 0  | 0                | 0  | 0        | 0  | 0        |
| 34   | Yadagiri                                    | 0   | 0           | 0  | 0                | 0  | 0        | 0  | 0        |
| 35   | Dharwad                                     | 247.81  | 0           | 346.944                                    | 0                | 0  | 0        | 0  | 0        |
| 36   | Belagavi                                    | 14939.5   | 0           | 0  | 13657.377        | 0  | 0        | 0  | 0        |
| 37   | Chikkodi                                    | 0   | 0           | 0  | 0                | 0  | 0        | 0  | 0        |
| 38   | Haveri                                      | 0   | 0           | 5.35                                       | 0                | 0  | 0        | 0  | 0        |
| 39   | Gadag                                       | 0   | 0           | 0  | 0                | 0  | 0        | 0  | 0        |
| 40   | Bagalakote                                  | 0   | 0           | 0  | 7.21             | 0  | 0        | 0  | 0        |
| 41   | Tumkuru                                     | 72.28   | 0           | 1267.006                                   | 0                | 0  | 0        | 0  | 0        |
| 42   | Davanagere                                  | 0   | 0           | 0  | 0                | 0  | 0        | 0  | 0        |
| 43   | Chitradurga                                 | 0   | 0           | 0  | 0                | 0  | 0        | 0  | 0        |
| 44   | Shivamoga                                   | 4142.25   | 0           | 0  | 0                | 0  | 0        | 0  | 0        |
|      | <b>Total</b>                                | <b>47343.7</b>  | <b>2394</b> | <b>17060.408</b>                           | <b>15417.697</b> | <b>0</b>   | <b>0</b> | <b>0</b>                                   | <b>0</b> |

**Table 14(e): Karnataka-Details on Hazardous Waste Stored at Occupier Premises**

| S.No | Name of the District (Regional Office Wise) | Total Quantity of HW stored at Occupier premises at the beginning of the Financial year i.e.01.04.2017 (MT) |             |            |            | TotalQuantityofHWstoredat Occupierpremisesduringthefinancialyeari.e. 1st April to 31st March 2018(MT) |             |            |            |
|------|---|---|-------------|------------|------------|---|-------------|------------|------------|
|      |   | Landfillable  | Incinerable | Recyclable | Utilizable | Landfillable  | Lncinerable | Recyclable | Utilizable |
|      |   | 30  | 31          | 32         | 33         | 34  | 35          | 36         | 37         |
| 1    | Anekal                                      | 1082.31   | 1825.15     | 697.36     | 0          | 64.375  | 38.026      | 14.296     | 0          |
| 2    | Bommanahalli                                | 8   | 15.2        | 20         | 0          | 102.8   | 180.3       | 257.6      | 0          |
| 3    | Sarjapur                                    | 6   | 262         | 124.1      | 0          | 85  | 1150.35     | 1180.62    | 0          |
| 4    | R.R.Nagar                                   | 119.306   | 1.16805     | 41.166     | 0          | 158.999   | 5.7827      | 44.796     | 0          |
| 5    | Ramanagara                                  | 98  | 316         | 338        | 0          | 138   | 694         | 396        | 0          |
| 6    | Bangalore city east                         | 16  | 0           | 0          | 0          | 6   | 0           | 0          | 0          |
| 7    | Bangalore city west                         | 0   | 0           | 0          | 0          | 0   | 0           | 0          | 0          |
| 8    | Bangalore city South                        | 1   | 0.25        | 3.75       | 0          | 1.5   | 0.05        | 5.11       | 0          |
| 9    | Bangalore Peenya                            | 27.52   | 14.43       | 43.16      | 0          | 64.52   | 13.43       | 44.16      | 0          |
| 10   | Yalahanka                                   | 0.68  | 7.68        | 753.5      | 0          | 0.32  | 3.21        | 0.25       | 0          |
| 11   | Dasarahalli                                 | 0   | 0           | 0          | 0          | 1.9762  | 4.54        | 19.631     | 0          |
| 12   | Nelamangala                                 | 180.78  | 50.5        | 25         | 0          | 160   | 64.3        | 44.87      | 0          |
| 13   | Doddaballapura                              | 94.98   | 2.741       | 0          | 0          | 112.971   | 9.672       | 16.262.    | 0          |
| 14   | Mahadevpura                                 | 114.68  | 86.95       | 33.48      | 0          | 54.68   | 56.95       | 53.55      | 0          |
| 15   | Kolar                                       | 144.3   | 156         | 2133.5     | 0          | 211.3   | 175         | 1005.25    | 0          |
| 16   | Chikballapura                               | 9.13  | 4.05        | 0.85       | 0          | 9.89  | 19.26       | 3.76       | 0          |
| 17   | Hoskote                                     | 0   | 0           | 0          | 0          | 0   | 0           | 0          | 0          |
| 18   | Chamarajanagara                             | 0   | 0           | 0          | 0          | 0   | 0           | 0          | 0          |
| 19   | Hassan                                      | 0   | 0           | 0          | 0          | 60.6  | 0           | 472.23     | 0          |

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| S.No | Name of the District (Regional Office Wise) | Total Quantity of HW stored at Occupier premises at the beginning of the Financial year i.e.01.04.2017 (MT) |             |            |            | TotalQuantityofHWstoredat Occupierpremisesduringthefinancialyeari.e. 1st April to 31st March 2018(MT) |             |            |            |
|------|---|---|-------------|------------|------------|---|-------------|------------|------------|
|      |   | Landfillable  | Incinerable | Recyclable | Utilizable | Landfillable  | Lncinerable | Recyclable | Utilizable |
|      |   | 30  | 31          | 32         | 33         | 34  | 35          | 36         | 37         |
| 20   | Mandya                                      | 4.4   | 41.34       | 30.07      | 0          | 1.503   | 29.74       | 9.495      | 0          |
| 21   | Mysuru-1                                    | 79.157  | 371.32145   | 518.804115 | 0          | 75.2568   | 0.2974      | 558.6046   | 0          |
| 22   | Mysuru-2                                    | 29.557  | 24.6431     | 42.10556   | 9.01825    | 27.674  | 42.1099     | 34.2667    | 46.34825   |
| 23   | Kodagu                                      | 0   | 0.25225     | 1.1241     | 0          | 0.01  | 0.84575     | 14.7066    | 0          |
| 24   | Dakshina Kannada                            | 0   | 0           | 221        | 5035       | 0   | 0           | 207        | 5220       |
| 25   | Udupi                                       | 188   | 22          | 5          | 0          | 1446  | 269         | 48         | 202        |
| 26   | Karwar                                      | 0   | 0           | 0          | 0          | 0   | 0           | 0          | 0          |
| 27   | Chikkmagaluru                               | 0   | 0           | 0          | 0          | 0   | 0           | 0.2        | 0          |
| 28   | Ballary                                     | 0   | 0           | 0          | 0          | 0   | 0           | 0          | 0          |
| 29   | Koppal                                      | 0   | 0           | 0          | 0          | 0   | 0           | 0          | 0          |
| 30   | Raichur                                     | 1.784   | 0           | 0          | 0          | 0   | 0           | 0          | 0          |
| 31   | Kalaburagi                                  | 0   | 0           | 8.63       | 0          | 0   | 0           | 8.63       | 0          |
| 32   | Bidar                                       | 32.974  | 0           | -          | 0          | 32.974  | 0           | 0          | 0          |
| 33   | Vijayapura                                  | 0   | 0           | 0.18       | 0          | 0   | 0           | 0.18       | 0          |
| 34   | Yadagiri                                    | 0   | 0           | 1.5        | 0          | 0   | 0           | 1.5        | 0          |
| 35   | Dharwad                                     | 0   | 0           | 0          | 0          | 2.7   | 276.124     | 911.75     | 0          |
| 36   | Belagavi                                    | 22.0747   | 24.999      | 1493.9538  | 1365.74    | 0   | 0           | 0          | 0          |
| 37   | Chikkodi                                    | 0   | 0           | 0          | 0          | 0   | 0           | 0          | 0          |
| 38   | Haveri                                      | 0   | 0           | 1.1        | 0          | 0   | 0           | 5.35       | 0          |
| 39   | Gadag                                       | 0   | 0           | 0          | 0          | 0   | 0           | 0          | 0          |
| 40   | Bagalakote                                  | 0   | 135.39      | 0          | 0          | 0   | 1897.64     | 0          | 0          |
| 41   | Tumkuru                                     | 0   | 0           | 0          | 0          | 0.09  | 42.391      | 160.239    | 0          |
| 42   | Davanagere                                  | 0   | 0           | 0          | 0          | 0   | 0           | 0          | 0          |

| S.No | Name of the District (Regional Office Wise) | Total Quantity of HW stored at Occupier premises at the beginning of the Financial year i.e.01.04.2017 (MT) |                |                |                | TotalQuantityofHWstoredat Occupierpremisesduringthefinancialyeare.i.e. 1st April to 31st March 2018(MT) |                |                |                |
|------|---|---|----------------|----------------|----------------|---|----------------|----------------|----------------|
|      |   | Landfillable  | Incinerable    | Recyclable     | Utilizable     | Landfillable  | Lncinerable    | Recyclable     | Utilizable     |
|      |   | 30  | 31             | 32             | 33             | 34  | 35             | 36             | 37             |
| 43   | Chitradurga                                 | 0   | 0.5            | 0.05           | 15.06          | 0   | 0.8            | 0.1            | 18.52          |
| 44   | Shivamoga                                   | 5.215   | 32.57          | 1.124          | 14.5           | 319   | 20.08          | 8.465          | 8.465          |
|      | <b>Total</b>                                | <b>2265.84</b>  | <b>3395.13</b> | <b>6538.51</b> | <b>6439.32</b> | <b>3138.14</b>  | <b>4993.90</b> | <b>5510.61</b> | <b>5494.91</b> |

Table 14(f): Karnatka-Details on Recycling / Utilization/Co-Processing of Hazardous Waste

| S.NO | Type of Recycling Facilities   | No of Facilities authorized for recycling / utilization / Co-processing of HW | Total Authorized Capacity (MTA) | Quantity Recycled/ Utilized / Co-processed (MT) during the year |
|------|--|---|---------------------------------|---|
| A    | Commonly Recyclable HW   |   |                                 |   |
| 1    | Brass Dross  | 1   | 50                              | 141   |
| 2    | <b>Zinc Bearing Wastes</b>   | 4   | 2606                            | 639   |
| 3    | Copper Bearing Waste   | 6   | 15374                           | 5807.09   |
| 4    | Spent catalyst containing nickel, cadmium, Zinc, copper,arsenic, vanadium and cobalt | 1   | 520                             | 0   |
| 5    | Lead bearing waste including battery waste   | 27  | 295083.7                        | 79750.627   |
| 6    | E-Waste  | 24  | 33422.846                       | 3864.2242   |
| 7    | Paint and ink Sludoe/residues  |   |                                 |   |
| 8    | Used oil   | 25  | 98656.5                         | 19218.395   |
| 9    | Waste oil  | 12  | 72310                           | 2847.47   |
|      | Total  | 100   | 518023.046                      | 112267.8062   |
| B    | Utilization of HW under Rule 9   |   |                                 |   |



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| S.NO | Type of Recycling Facilities   | No of Facilities authorized for recycling / utilization / Co-processing of HW | Total Authorized Capacity (MTA) | Quantity Recycled/ Utilized / Co-processed (MT) during the year |
|------|--|---|---------------------------------|---|
| 1    | Recovery of solvents from spent solvents   | 14  | 89612                           | 20505.206   |
| 2    | De- Contamination of contaminated drums/containers/barrels   | 14  | 12434.5                         | 4307.93   |
| 3    | Utilization of Aluminium dross generated from refining and casting house of Aluminium smelter units to recover Aluminium Metak   | 2   | 1600                            | 18.334  |
| 4    | Utilization of spent fixer (hypo) solution generated from photography/X-rays films to recover Silver metal   | 1   | 31.2                            | 0   |
| 5    | Utilization of spent acid containg molybdenum compound generated from bulb flament manufacturing industries for manufacturing of Ammonlum Molybdate                                    | 1   | 324                             | 35.91   |
| 6    | Utilization of Tunsten scrap generated from metal cuttong operation (Using Tungsten carbide insert), mining tool buttons and worn out drills for manufacturing Tungsten carbide powder | 1   | 300                             | 0   |
| 7    | Asbestos containing residues and Dust/Particulets from exhaust gas treatment   | 1   | 10.07                           | 10.07   |
| 8    | Utilization of Spent activated carbon for manufacture of coconut shell charcoal  | 1   | 450                             | 202   |
| 9    | Utilization Printed Cirtue Board   | 1   | 312                             | 189.631   |
|      | Total  | <b>36</b>   | <b>105073.77</b>                | <b>25269.081</b>  |
| C    | <b>Co-processing In Cement Plants</b>  | <b>7</b>  | <b>491208.708</b>               | <b>54479.3</b>  |

**Table 14(g): Karnataka-List of Authorized Recyclers/ Utilizers/Co-processors of Hazardous Waste**

| 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) |
|------|---|--|--|---|
| 1    | M/s Sri Lakshmi Refineries Industries, No. IP- 34, Kudumalakunte, KIADB Industrial Area, Gowribidanur (T), Chikkaballapura (D). | Used oil   | 7352.5   | 865.71  |
| 2    | M/s Sri Lakshmi Refineries Industries, No. IP- 34, Kudumalakunte, KIADB Industrial Area, Gowribidanur (T), Chikkaballapura (D). | Waste Oil  |  |   |
| 3    | M/s Century Refiners, No. 17I & 17J, KIADB Industrial Area, Hoskote Taluk, Bengaluru Rural district                             | Used Oil   | 10992  | 1594  |
| 4    | M/s Century Refiners, No. 17I & 17J, KIADB Industrial Area, Hoskote Taluk, Bengaluru Rural district                             | Waste Oil  | 10992  | 0   |
| 5    | M/s Khawja Petroleum Pvt Ltd., Industries, Plot No. 3, Bangarpet Industrial Area, Bangarpet Taluk Kolar District.               | Used oil   | 1200   | 57  |
| 6    | M/s Khawja Petroleum Pvt Ltd., Industries, Plot No. 3, Bangarpet Industrial Area, Bangarpet Taluk Kolar District.               | Waste Oil  |  |   |
| 7    | M/s. Arun Industries, B-64, III Stage, PIE, Bangalore-58  | Used oil   | 360  | 344.65  |
| 8    | M/s. Special Oils, Sy No: 202/2, Kuruvunakoppa Village, Kalaghatagi-Tq, Dharwad District  | Used oil   | 700  | 81.3  |

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| 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) |
|------|--|--|--|---|
| 9    | M/s Shantadurga Petro Chemicals, Sy. No. 701 Shedegali post Mantulaga Tal: Khanapur Dist: Belagavi | Used oil   | 500  | 180   |
| 10   | M/s Nandi Innorganics, Maradi-Shivapur, Gokak-Taluk, Belagavi-District.                            | Used oil   | 600  | 581   |
| 11   | M/s H.N.Petrochem, Kalaburagi  | Used oil   | 3600   | 0   |
| 12   | M/s K.M.Oils Kalaburagi  | Used oil   | 3600   | 613   |
| 13   | M/s K.M.Oils Kalaburagi  | Waste Oil  | 5000   |   |
| 14   | M/s. Balaji Entrprises, Plot No. 33, KIADB, Aliyabad Industrial Area, Vijayapur                    | Used oil   | 5400   | 91.22   |
| 15   | M/s. Balaji Entrprises, Plot No. 33, KIADB, Aliyabad Industrial Area, Vijayapur                    | Waste Oil  | 5400   |   |
| 16   | M/s. Mahalakshmi Industries Plot No. 218 KIADB Industrial Area, Vasanthnarasapura Tumkur           | Waste Oil  | 1800   | 403.162                                       |
| 17   | M/s. Mahalakshmi Industries Plot No. 218 KIADB Industrial Area, Vasanthnarasapura Tumkur           | Used Oil   | 1800   |   |
| 18   | M/s. Nakoda Petro Chemicals Plot No.8, KIADB Indl. Area, Satyamangala. Sathyamangala Tumkur        | Waste Oil  | 1800   | 0   |
| 19   | M/s.VBS Petro chemicals HIA, Tumkur Hirahalli Tumkur   | Waste Oil  | 19980  |   |
| 20   | M/s.VBS Petro chemicals HIA, Tumkur Hirahalli Tumkur   | Used Oil   | 8400   |   |

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| 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) |
|------|--|--|--|---|
| 21   | M/s.A.S. Refinery Pl. No. 97-B, VIA, Tumkur<br>Tumkur  | Waste Oil  | 5004   | 413.308                                       |
| 22   | M/s.A.S. Refinery Pl. No. 97-B, VIA, Tumkur<br>Tumkur  | Used Oil   | 5004   |   |
| 23   | M/s.FA Refineries<br>Plot No. 92A, 1st Phase,<br>Vasanthnarasapura, KIADB Industrial<br>Area, Tumkur | Waste Oil  | 5004   | 0   |
| 24   | M/s.FA Refineries<br>Plot No. 92A, 1st Phase,<br>Vasanthnarasapura, KIADB Industrial<br>Area, Tumkur | Used Oil   | 5004   | 0   |
| 25   | M/s.Balaji Industries, Plot No.20/A, KIADB<br>Indl. Area, Machenahalli, Shivamogga- 577<br>222.      | Used Oil   | 1200   | 73.955  |
| 26   | M/s Jonas Petro Products Private Limited,<br>Plot No. 277, Baikampady Industrial Area,<br>Mangalore- | Waste Oil  | 12000  | 1418  |
| 27   | M/s Merlyn hydrocarbons pvt ltd, plot no<br>366, Kiadb industrial growth centre ,<br>hassan          | Used Oil   | 7200   | 985.91  |
| 28   | M/s Merlyn hydrocarbons, plot no 367,<br>Kiadb industrial growth centre , hassan                     | Used Oil   | 4500   | 401.4   |
| 29   | M/s. S.M.Enterprises, No.4911,<br>M.C.Road, Beside Fire Station,<br>Mandya                           | Used Oil   | 4200   | 722.04  |

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| 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) |
|------|---|--|--|---|
| 30   | M/s Sampath Refinery Pvt. Ltd, Plot No.64A-65D, Tubinakere, Mandya  | Used Oil   | 3600   | 204   |
| 31   | M/s Sampath Refinery Pvt. Ltd, Plot No.64A-65D, Tubinakere, Mandya  | Waste Oil  | 3600   | 0   |
| 32   | M/s Mandya Refineries, Plot No. 59, Part - IIA, Phase, Tubinakere, Mandya.  | Used Oil   | 7200   | 0   |
| 33   | M/s Mandya Refineries, Plot No. 59, Part - IIA, Phase, Tubinakere, Mandya.  | Waste Oil  | 3600   | 0   |
| 34   | M/s SB Refineries, Plot No. 81, Bommasandra - Jigani Link Road Industrial Area, 4th Phase, Anekal Taluk, Bangalore Urban District- 560 099                            | Used Oil   | 3600   | 2880  |
| 35   | M/s Ganapathy Refineries Pvt Ltd., Shed No.9, & 10 , Dr B. R. Ambedkar Indl Estate, 2nd Cross, KSSIDC, Jigani Indl Area, 1st Phase, Jigani, Anekal Taluk, Bangalore . | Used Oil   | 2244   | 49.98   |
| 36   | M/s Bharani Refineries, Plot No.324/P, 2nd Phase, Harohalli Indl Area, Harohalli, Kanakapura Tq, Ramanagara Dist.   | Used Oil   | 3600   | 638   |
| 37   | M/s Alfa Refineries, Plot No.310-H, II Phase, KIADB Indl Area, Kanakapura Tq, Ramanagara Dist.  | Used Oil   | 5000   | 410   |
| 38   | M/s Coral Waters, No. 08, KIADB Industrila Area, Hoskote Taluk, Bengaluru Rural district  | E-waste  | 1440   | 345   |

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| 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) |
|------|--|--|--|---|
| 39   | M/s Ash Recyclers, Shed No. 03, Hoskote Industrial Estate, Bengaluru Rural district  | E-waste  | 120  | 0   |
| 40   | M/s Cerebra Integrated Technologies Limited<br>Sy. No. Parts of 22 and 23, Appasandra Village, Narasapura Industrial Area, Narasapura Hobli, Kolar Taluk & District. | E-waste  | 2076   | 24.26   |
| 41   | M/s. 4R Recycling Pvt. Ltd., Shed No. A5, 3rd Stage, PIE, Bengaluru  | E-waste  | 600  | 309   |
| 42   | M/s. ER3 Solutions, C430/1, 1st Stage, PIE, Bengaluru  | E-waste  | 290  | 40  |
| 43   | M/s. E-Hasiru, No. 168/B, 1st Floor, 7th Main Road, 3rd Phase, PIA, Bengaluru  | E-waste  | 300  | 0.0912  |
| 44   | M/s. Prakruthi Recyclin Pvt. Ltd., Sy.No. 22, Plot No. 103, 5th Block, SSI Area, Rajajinagara Bengaluru  | E-waste  | 150  | 56.14   |
| 45   | M/s.E-Pragathi recycling<br>No. 18, 2nd phase, Antharasanhalli Industrial Area, Tumkur   | E-waste  | 300  | 254.45  |
| 46   | M/s Newtek Recyclers, No 124,Byreveshwara Industrial Estate, Andhrahalli Main Road, Peenya 2nd stage, Bangalore 560 091  | E-waste  | 300  | 99  |
| 47   | M/s Vans chemistry, Plot No. 94/5, Shed No.13R14, SRR Layout, Kannalli village, Bangalore -5600941   | E-waste  | 720  | 0   |

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| 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) |
|------|--|--|--|---|
| 48   | M/s E-Scrapy Recyclers, No. 106, Adrahalli main road, Byreshwara industrial area, Peenya 2nd stage, Bangalore-58           | E-waste  | 720  | 115   |
| 49   | M/s I Seven, # 9/4, Kachohalli Industrial Estate, Kachohalli, Near Saibaba Temple, Laxmipura Post, Bengaluru-562123        | E-waste  | 300  | 34  |
| 50   | M/s Tes-amm India PVT LTD No.118/8,mookambika temple road,machohalli forest gate,magadi main road, Bangalore               | E-waste  | 1440   | 488   |
| 51   | M/s Rashi E-waste., No.52/170 & 171, 6th Cross, Aziz Sait Industrial Town, Nayandahlli Post, Bangalore-560039.             | E-waste  | 300  | 0   |
| 52   | M/s JSA Web Solutions, No.3, DITPL, ,KIADB Indl Area, Apparel Park, IInd phase, Doddaballapura, Bangalore Rural District   | E-waste  | 436.8  | 0   |
| 53   | M/s SA E-waste Recyclers b 4, KSSIDC industrial Estate, Yellupura Village, Doddaballapura Taluk, Bangalore Rural District  | E-waste  | 360  | 0   |
| 54   | M/s Thrishiraya Recycling Pvt Ltd, Shed No.10, SW-51, Apperel park, Phase-II, DITPL, Doddaballapura Taluk, Bangalore Rural | E-waste  | 900  | 0   |
| 55   | M/s. Sonal Metacrop, No. 5, 5/1, Kachohalli, Lakshmipura Post, Bengaluru   | E-waste  | 720  | 0   |

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| 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) |
|------|---|--|--|---|
| 56   | M/sPremier Comprint, No. 33.3, Abbigere, Ppeline Road, Hanumanthayaih Inustrial Compound, Near Lakshimi Temple, Bengaluru                   | E-waste  | 300  | 0.56  |
| 57   | M/s E-parisara Pvt Ltd, Plot no.30p3 KIADB Daspeta, indl area, Nelamangala Taluk, Bangalore Rural District-562111                           | E-waste  | 8820   | 1562.4  |
| 58   | M/s Earth Sense Recycle Private Limited, Industrial Plot No. SPL14, Jigani 2nd Stage, Jigani Village, Jigani Hobli, Anekal Taluk, Bangalore | E-waste  | 300  | 24.32   |
| 59   | M/s E-Green Recycling, Plot No. 86-B, Jigani 1st Phase, Industrial Area, Anekal Taluk, Bangalore  | E-waste  | 500  | 0   |
| 60   | M/s K.G Nandini Enterprises, Sy. No. 46/4, Bilakempanahalli, Bidadi Hobli, Ramanagara Tq & Dist.  | E-waste  | 7200   | 580   |
| 61   | M/s Eco Globe E waste Recyclers, Plot No.87, Bidadi Industrial, Bidadi Hobli, Ramanagara Taluk and District                                 | E-waste  | 330  | 277   |
| 62   | M/s Chloride Metals Limited Sy.No.60/1 &2 , Seethanayakanahalli, Malur- Hosur Road, Lakkur Hobli, Malur Taluk, Kolar District,              | Lead bearing waste including battery waste       | 96000  | 28039   |
| 63   | M/s Jayvel Enterprises Plot No. 26A, KIADB Industrial Area Malur Taluk, Kolar District,   | Lead bearing waste including battery waste       | 6000   | 1062  |



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| 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) |
|------|---|--|--|---|
| 64   | M/s Sandeep Lead Alloys India Private Limited<br>Plot No.19 KIADB Industrial Area Ist Phase, Malur Taluk, Kolar District,           | Lead bearing waste including battery waste       | 18000  | 500   |
| 65   | M/s Creasent Smelting Alloys & E-waste management<br>Plot No: 107, Part- 1, 4th Phase, Malur KIADB Industrial Area, Kolar District. | Lead bearing waste including battery waste       | 6000   | 75  |
| 66   | M/s Ganapathi Enterprises<br>Plot No. 11, 1st Phase, Malur Industrial Area, Malur Taluk, Kolar District                             | Lead bearing waste including battery waste       | 3600   | 50  |
| 67   | M/s Enviro Green Alloys Inc.<br>Plot No. 32, KIADB Industrial Area, 1st Phase, Malur Taluk, Kolar District.                         | Lead bearing waste including battery waste       | 7200   | 820   |
| 68   | M/s Selvam Metals & Alloys<br>Plot No : 37, 2nd Cross, 2nd Phase, KIADB Industrial Area, Malur Taluk, Kolar District                | Lead bearing waste including battery waste       | 264  | 25  |
| 69   | M/s Maharanjini Metal Mart<br>Plot No.81,3rd Cross, 2nd Phase, Malur Industrial Area, Malur Taluk, Kolar District,                  | Lead bearing waste including battery waste       | 29.7   | 0   |
| 70   | M/s. Mekala Metal Works, No. B, 152, 2nd Stage, PIA, Bengaluru-560058   | Lead bearing waste including battery waste       | 3000   | 1925.2  |
| 71   | M/s.Chandana Industries<br>Plot No.174/B, KIADB Industrial Area, Vasanthanarasapura, Kora Hobli, Tumkur                             | Lead bearing waste including battery waste       | 6000   | 6000  |

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|------|--|--|--|---|
| 72   | M/s.Shivam Enterprises<br>Plot No.22-A, KIADB Industrial Area,<br>Vasanthanarasapura, Kora Hobli, Tumkur                                     | Lead bearing waste including battery waste       | 6600   | 6400  |
| 73   | M/s.S R Metal Mart<br>Plot No.126-A, KIADB Industrial Area,<br>Vasanthanarasapura, Kora Hobli, Tumkur  | Lead bearing waste including battery waste       | 6000   | 5600  |
| 74   | M/s.Sapthagiri Metal Refinery, Plot Np.37,<br>KIADB, Indl. Area, Mandli, Shivamogga,<br>MandliKallur Industrial Area, Shivamogga-<br>577201. | Lead bearing waste including battery waste       | 850  | 0   |
| 75   | M/s.Anupama Industries, Plot No.62-P,<br>KIADB Industrial Area, Machenahalli,<br>Shivamogga District.-577 222.                               | Lead bearing waste including battery waste       | 9600   | 0   |
| 76   | M/s. SR Smelters<br>Plot No. C-53, KIADB Industrial Area, 1st<br>Stage, Sompura Hobli, Nelamangala Taluk,<br>Bengaluru Rural District        | Lead bearing waste including battery waste       | 6000   | 414.75  |
| 77   | M/s Eswari Global Metal Industries Pvt.<br>Ltd., Unit-I. No. 101 A & B, Baikampady<br>Industrial Area, Mangaluru                             | Lead bearing waste including battery waste       | 40000  | 22000   |
| 78   | M/s. Eshwari Metal Industries Unit-II Plot<br>No. 96 & 97, Baikampady Industrial Area,<br>Mangalore-575011                                   | Lead bearing waste including battery waste       | 5000   | 1987.697                                      |
| 79   | M/s Sri Chamundi Metal Works, Plot No.<br>33/A-1, Bannimantap Industrial Area,<br>Mysuru   | Lead bearing waste including battery waste       | 240  | 40.43   |

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|------|---|--|--|---|
| 80   | M/s Maha Guru Resources, Plot No. 132, Bommasandra Jigani Link Road, Sy No. 25, Part, Bandenallasandra Village, Jigani Hobli, Bangalore       | Lead bearing waste including battery waste       | 2800   | 85.93   |
| 81   | M/s Sri Ponni Industries, Plot No. 24, 4th Phase, Bommasandra Industrial Area, Anekal Taluk, Bangalore Urban District-560 099                 | Lead bearing waste including battery waste       | 5000   | 72.8  |
| 82   | M/s Chetan Industries., Shed No. D-8, KSSIDC Industrial Estate, Jigani , Bangalore  | Lead bearing waste including battery waste       | 2500   | 1975  |
| 83   | M/s Microlite Industries, Plot No. 98/Q, Jigani Industrial Area, 2nd Phase, Sy No. 113 & 114, Jigani Hobli, Anekal Taluk, Bengaluru - 562 106 | Lead bearing waste including battery waste       | 18000  | 305.12  |
| 84   | M/s Veera Narayana Metal Industries Pvt Ltd., Sy.No.81/2, Badrapura, Lakkenahalli Village, Solur (H), Magadi Tq, Ramanagara Dist.             | Lead bearing waste including battery waste       | 18000  | 2082  |
| 85   | M/s Sri Shirdi Sai Baba Traders, Plot No.252, Harohalli Industrial Area, II Phase, Harohalli Hobli, Kanakapura Taluk, Ramanagara District     | Lead bearing waste including battery waste       | 2100   | 115   |
| 86   | M/s Shiva Enterprises, Plot No.311-A, Bankuppe Road, 2nd Phase, Harohalli Indl Area, Kanakapura Tq, Ramanagara Dist.                          | Lead bearing waste including battery waste       | 3000   | 159.7   |

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|------|--|--|--|---|
| 87   | M/s Sree Ponni Lead Alloy Pvt ltd., Plot No 32/A, Phase 1, Harohalli Indl Area, Kanakapura Tq, Ramanagara Dist                           | Lead bearing waste including battery waste   | 15000  | 17  |
| 88   | M/s Durga Metal Industries, Plot No.325Q1, II Phase, KIADB Industrial Area, Kanakapura Tq, Ramanagara Dist.                              | Lead bearing waste including battery waste   | 8300   | 0   |
| 89   | M/s Supravani Chemicals Pvt. Ltd., Plot No. 8C1, 8C2, 2nd Cross, KIADB Industrial Area, Kadugodi, Off Whitefield Road, Bengaluru 560 067 | Spent catalyst containing nickel, cadmium, Zinc, copper,arsenic, vanadium and cobalt | 520  | 0   |
| 90   | M/s Karnataka Agro Chemicals Pvt. Ltd., Plot No. 93, KIADB Industrila Area, Hoskote Taluk, Bengaluru Rural district                      | Copper Bearing Waste   | 3168   | 0   |
| 91   | M/s. Sri Varu Acid and Chemicals, No. 134, 3rd Phase, Peenya Industrial Area, Bengaluru-560058.  | Copper Bearing Waste   | 3600   | 2429.74                                       |
| 92   | M/s. Sri Nandi Chimiicals, Plot No.28, 3rd Cross, 2nd Phase, Antharasanahalli Industrial area Tumkur                                     | Copper Bearing Waste   | 2510   | 1640  |
| 93   | M/s Shree Suchem Industry, Plot No.4C-2, Somanahalli Indl. Area, Maddur Taluk, Mandya  | Copper Bearing Waste   | 3456   | 72.85   |
| 94   | M/s Global Rasayan, Plot No. 176, Hebbal Industrial Area, Mysuru   | Copper Bearing Waste   | 600  | 572.5   |

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|------|--|--|--|---|
| 95   | M/s Metcorp, Plot No.172, Harohalli Industrial Area, I Phase, Kanakapura Taluk, Ramanagara District  | Copper Bearing Waste                             | 1640   | 761   |
| 96   | M/s Suraj Chemicals<br>Plot No. 318-C, 3rd Phase, Malur Industrial Area, Malur Taluk, Kolar District | Zinc Bearing Wastes                              | 1080   | 450   |
| 97   | M/s. Multiplex Agricare Pvt Ltd.,<br>No. 454, 4th Phase, Peenya Industrial Area, Bengaluru-560 058   | Zinc Bearing Wastes                              | 566  | 189   |
| 98   | M/s Himalaya Oxides(P) Ltd, Plot No. 231a, Hebbal Industrial Area, Mysuru                            | Zinc Bearing Wastes                              | 960  | 0   |
| 99   | M/s Metcorp, Plot No.172, Harohalli Industrial Area, I Phase, Kanakapura Taluk, Ramanagara District  | Zinc Bearing Wastes                              | 400  | 331   |
| 100  | M/s Metcorp, Plot No.172, Harohalli Industrial Area, I Phase, Kanakapura Taluk, Ramanagara District  | Brass Dross                                      | 50   | 141   |
| 101  | M/s Ind Pure Chem, No. 08, KIADB Industrila Area, Hoskote Taluk, Bengaluru Rural district            | Recovery of solvents from spent solvents         | 4873   | 3000  |
| 102  | M/s Bhavana Agencies, No. 58 C4, KIADB Industrila Area, Hoskote Taluk, Bengaluru Rural district      | Recovery of solvents from spent solvents         | 31230  | 3480  |

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|------|--|--|--|---|
| 103  | M/s Supravani Chemicals Pvt. Ltd., Plot No. 8C1, 8C2, 2nd Cross, KIADB Industrial Area, Kadugodi, Off Whitefield Road, Bengaluru 560 067 | Recovery of solvents from spent solvents         | 36   | 0   |
| 104  | M/s Banashankari Chemicals Private Limited, Plot no. 200- 203, KIADB Industrial Area , Malur Taluk, Kolar District,                      | Recovery of solvents from spent solvents         | 9000   | 6000  |
| 105  | M/s Banashankari Industries Private Limited, Plot No. 197, KAIDB Industrial Area, Malur 3rd Phase, Kolar District                        | Recovery of solvents from spent solvents         | 3000   | 2500  |
| 106  | M/s. Shalini Enterprises, No. A6, 3rd Stage, Peenya Industrial Area, Bengaluru-560 058.  | Recovery of solvents from spent solvents         | 12000  | 37.8  |
| 107  | M/s. Associated Chemicals & Engineering Company No.301, IV Phase, Peenya Industrial Area Bengaluru 560 058                               | Recovery of solvents from spent solvents         | 3800   | 155   |
| 108  | M/s Sri Sai Industries, Plot No.12-D, KIADB Indl. Area, Somanahally -571428, Madduar Taluk, Mandya                                       | Recovery of solvents from spent solvents         | 2500   | 0   |
| 109  | M/s Sathya Fuel Chemtech (SFC), Plot No. 60, No. 184, Bandenallasandra Jigani Link Road, Bangalore                                       | Recovery of solvents from spent solvents         | 6000   | 101.95  |

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|------|--|--|--|---|
| 110  | M/s Sathya Industries, No.142/145,Jigani Industrial Area, Dr. B.R Ambedkar Industrial Estate, 1st Phase, Bangalore             | Recovery of solvents from spent solvents   | 9000   | 445.726                                       |
| 111  | M/s Shine Chemical Industries, No.SP-165, J.I.E, Jigani, B'lore  | Recovery of solvents from spent solvents   | 1314   | 1296  |
| 112  | M/s Panchamukhi Pharma Chem, Plot No.94 & 97, I Phase, KIADB Industrial Area, Harohalli, Kanakapura Taluk, Ramanagara District | Recovery of solvents from spent solvents   | 3600   | 1940  |
| 113  | M/s Sonia Industries, D-15, Kssidc Industrial Estate, Kumbalagodu, Bangalore 560074.   | Recovery of solvents from spent solvents   | 1800   | 45.607  |
| 114  | M/s. Gomti Resins & Polymers Pvt Ltd, No.B36/B38, KSSIDC Industrial Area, Kumbalagodu, Mysore Road, Bangalore South            | Recovery of solvents from spent solvents   | 3000   | 1503.123                                      |
| 115  | M/s. Gomti Resins & Polymers Pvt Ltd, No.B36/B38, KSSIDC Industrial Area, Kumbalagodu, Mysore Road, Bangalore South            | Utilization of Tunsten scrap generated from metal cuttong operation (Using Tungsten carbide insert), mining tool buttons and worn out drills for manufacturing Tungsten carbide powder | 300  |   |
| 116  | M/s Shariff Enterprises, No. 80/1, Chokkahalli Village, Jagamankote Main Road, Hoskote Taluk, Bengaluru rural district         | De-contamination of contaminated drums/containers/ barrels   | 25.2   | 18.27   |

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| 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) |
|------|--|--|--|---|
| 117  | M/s. Shalini Enterprises,<br>No. A6, 3rd Stage, Peenya Industrial Area,<br>Bengaluru-560 058.  | De-contamination of contaminated drums/containers/ barrels | 384  | 369   |
| 118  | M/s Karnataka Traders,<br>Plot No. 23/A, karnad Industrial Area,<br>Mulki,Mangaluru Taluk, D.K District.                             | De-contamination of contaminated drums/containers/ barrels | 368  | 43  |
| 119  | M/s Falcon Impex Corporation, Plot No.<br>10A/9A & 9B, KIADB Industrial Area,<br>Mangalore, D.K District                             | De-contamination of contaminated drums/containers/ barrels | 100.8  | 5.2   |
| 120  | M/s Haji U. Hasanabba & Sons,<br>Plot No. 89 & 90,Baikampady Industrial<br>Area, Mangaluru, D.K District -575011                     | De-contamination of contaminated drums/containers/ barrels | 84   | 31.703  |
| 121  | M/s Moogambigai Metal Refineries (Unit-<br>2),(Plastic Division),Plot No. 124<br>A,Industrial Area, Baikampady,Mangaluru-<br>575 011 | De-contamination of contaminated drums/containers/ barrels | 5400   | 959.22  |
| 122  | M/s SMZ Industries, Unit-II, Shed No. C-<br>202, KSSIDC Industrial Estate, Mysore  | De-contamination of contaminated drums/containers/ barrels | 420  | 0   |
| 123  | M/s Shobith Industries<br>No: B-4, KSSIDC Industrial Estate,<br>Nanjangud, Mysore  | De-contamination of contaminated drums/containers/ barrels | 1020   | 329.55  |
| 124  | M/s New kanimar Enterprises, Jigani Indl<br>Area, 1st Phase, Jigni,Anekal Tq, B'lore   | De-contamination of contaminated drums/containers/ barrels | 1582.5   | 921.7   |



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| 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) |
|------|--|--|--|---|
| 125  | M/s NV Trading Company, Plot No. 302, Bommasandra - Jigani Link Road Industrial Area, 4th Phase, Anekal Taluk, Bangalore Urban District- 560 099 | De-contamination of contaminated drums/containers/ barrels   | 150  | 66.86   |
| 126  | M/s Roshan Enterprises, ; Pl.No.87-F(P), Jigani Industrial Area, 1st phase, Sy.No., Part of 128 & 127, Jigani Hobli, AnekalTw, B'lore.           | De-contamination of contaminated drums/containers/ barrels   | 540  | 15.43   |
| 127  | M/s Hajira Enterprises, Plot No.324-T, KIADB Indl Area, Harohalli, Kanakapura Tq, Ramanagara Dist.   | De-contamination of contaminated drums/containers/ barrels   | 1250   | 1195  |
| 128  | M/s SA Traders, Plot No.325-L, Harohalli Indl Area, Kanakapura Tq, Ramanagara Dist.  | De-contamination of contaminated drums/containers/ barrels   | 360  | 353   |
| 129  | M/s V.J. Traders, Plot No.239-C, Harohalli Indl Area, Kanakapura Tq, Ramanagara Dist.  | De-contamination of contaminated drums/containers/ barrels   | 750  | 0   |
| 130  | M/s NS Foundry, Mysore   | Utilization of Aluminium dross generated from refining and casting house of Aluminium smelter units to recover Aluminium Metak | 100  | 18.334  |
| 131  | M/s Metcorp, Plot No.172, Harohalli Industrial Area, I Phase, Kanakapura Taluk, Ramanagara District  | Utilization of Aluminium dross generated from refining and casting house of Aluminium smelter units to recover Aluminium Metak | 1500   | 0   |

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| 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) |
|------|--|--|--|---|
| 132  | M/s. Srikara Enterprises,<br>No.22, KSSIDC Industrial Area, Veerapura<br>Post, Doddaballapura, Bengaluru Rural<br>District - 561 203 | Utilization of Spent fixer (hypo) solution<br>generated from Photography / X-rays<br>films to recover Silvermetal  | 31.2   | 0   |
| 133  | M/s Top Note aromatics, Plot No. 97, KRS<br>Road, Mysuru   | Utilization of spent acid containg<br>molybdenum compound generated from<br>bulb filament manufacturing industries<br>for manufacturing of Ammonlum<br>Molybdate | 324  | 35.91   |
| 134  | M/s. Ramco Industries Ltd, Karur Village,<br>Ranebennur- Tq., Haveri- Dist.  | Asbestos containing residues and<br>Dust/Particulets from exhaust gas<br>treatment   | 10.07  | 10.07   |
| 135  | M/s Mahalakshmi Fertilizers & Chemicals,<br>Shivally Industrial area, Manipal  | Utilization of Spent activated carbon for<br>manufacture of coconut shell charcoal   | 450  | 202   |
| 136  | M/s RPN industries, No.B2, KSSIDC<br>Industrial Area, Mysore Road,<br>Kumbalgodu, Bangalore.   | Utilization Printed Circutue Board   | 312  | 189.631                                       |
| 137  | M/s Dalmia Cement (Bharat) Ltd, Yadwad,<br>Gokak Taluk, Belagavi District.   | Co-processing In Cement Plants   | 20500  | 1176.38                                       |
| 138  | M/s JK Cement Works, Village- Muddapur,<br>Taluka- Mudhol, District- Bagalkot<br>(Karnataka)-587122                                  | Co-processing In Cement Plants   | 399663   | 1313.02                                       |

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| 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) |
|------|--|--|--|---|
| 139  | M/s Rajashree Cement Ltd., Malkhed Villge, Tq: Sedam, Dist: Kalaburagi           | Co-processing In Cement Plants                   | 71045.708  | 51989.9                                       |
| 140  | M/s Vasavadatta Cements Pvt. Ltd., Sedam, Dist: Kalaburagi                       | Co-processing In Cement Plants                   |  |   |
| 141  | M/s Chettinadu Cements Pvt. Ltd. Kallur village, Tq: Chincholi, Dist: Kalaburagi | Co-processing In Cement Plants                   |  |   |
| 142  | M/s Kalaburagi Cements Ltd. Chatrasala Village, Tq: Chincholi, Dist: Kalaburagi  | Co-processing In Cement Plants                   |  |   |
| 143  | M/s ACC Cements, Wadi, Tq: Chithapur, Dist: Kalaburagi                           | Co-processing In Cement Plants                   |  |   |

**Table 14(h): Karnataka-Details of Hazardous waste disposed in Common TSDF(s)**

| 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 processed for utilization (MT) | Quantity in stock at the end of the year (MT) |             | Cumulative HW disposed in SLF by the end of financial year [MT] | Capacity           |                   |                 |
|------|---|---|-------------|---|------------------------------|------------------|---|------------------------------|----------------------|---|---|-------------|---|--------------------|-------------------|-----------------|
|      |   | Land fillable                                       | Incinerable | For Direct landfill                         | For Landfill after treatment | For incineration | Quantity Landfilled directly              | For Landfill after treatment | Quantity incinerated |   | Landfillable                                  | Incinerable |   | incinerator (KCal) | incinerator (T/H) | Landfill (MT/A) |
| 1    | Mother Earth Environ Tech Pvt. Ltd, Plot No.217, Harohalli Indl. Area, 2nd Phase, Kanakapura Tq, Ramanagara Dist. | 30  | 0           | 2925.78                                     | 30234.4                      | 0                | 2925.78                                   | 31281.76                     | 0                    | 0                                       | 0   | 0           | 38237.536   | 0                  | 0                 | 95000           |
| 2    | E Nano Incintech, Plot  | 0   | 17          | 0   | 0                            | 1119.6           | 0   | 0                            | 1116.6               | 0                                       | 0   | 20          | 0   | 0                  | 0.5               | 0               |

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| 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 processed for utilization (MT) | Quantity in stock at the end of the year (MT) |               | Cumulative HW disposed in SLF by the end of financial year [MT] | Capacity           |                   |                 |
|--------------|--|---|---------------|---|------------------------------|------------------|---|------------------------------|----------------------|---|---|---------------|---|--------------------|-------------------|-----------------|
|              |  | Land fillable                                       | Incinerable   | For Direct landfill                         | For Landfill after treatment | For incineration | Quantity Landfilled directly              | For Landfill after treatment | Quantity incinerated |   | Landfillable                                  | Incinerable   |   | incinerator (KCal) | incinerator (T/H) | Landfill (MT/A) |
|              | No.242/B, 2nd Phase, Harohalli Indl Area, Kanakapura Tq, Ramanagara Dist.                                      |   |               |   |                              |                  |   |                              |                      |   |   |               |   |                    |                   |                 |
| 3            | Haat Incinerators (India) Private Limited, No:35 B&C, Jigani Industrial Area, Anekal, Bangalore Urban - 562106 | 38.017  | 39.975        | 0   | 81.567                       | 550.822          | 0   | 63.72                        | 514.097              | 0                                       | 55.866  | 76.7          | 4317.908  | 150000             | 0.3               | 0               |
| 4            | M/s. Gomti Incinco, No.3 B-2, 1st Phase, KIADB Industrial Area, Kumbalgodu, Mysuru Road, Bengaluru-560074      | 15.6  | 37.758        | 0   | 30.33                        | 891.106          | 0   | 38.94                        | 883                  | 0                                       | 6.99  | 43.873        | 0   | 2500               | 0.2               | 0               |
| <b>Total</b> |  | <b>83.617</b>                                       | <b>94.733</b> | <b>2925.77</b>                              | <b>30346.29</b>              | <b>2561.52</b>   | <b>2925.77</b>                            | <b>31384.42</b>              | <b>2513.69</b>       | <b>0</b>                                | <b>62.856</b>                                 | <b>140.57</b> | <b>42555.44</b>   | <b>1502500</b>     | <b>1</b>          | <b>95000</b>    |

**Table 14(i): Karnataka-Details of Hazardous waste disposed in Captive TSDF(s)**

| S.No. | Name and Address of Captive facility   | Type or facility (landfillable / incinerable / both) | Capacity           |                    | HW disposed during the year | Cumulative HW disposed till the end of financial year |
|-------|--|--|--------------------|--------------------|-----------------------------|---|
|       |  |  | Landfillable (T/H) | Incinerable (MT/A) |                             |   |
| 1     | 3M India Limited No.48-51, Electronic City, Hosur Road, Bangalore-100.   | Incinerable (In house)                               | 0                  | 18.25              | 18.25                       | 18.25   |
| 2     | Biocon Limited Survey Nos. 46/1, 46/2, 46/3, 43/6A, 47/3A, 47/1 & 47/2, 20th K.M., Hebbagodi, Anekal Taluk, Bangalore Urban District | Incinerable (In house)                               | 2321               | 183.5              | 2504.5                      | 2504.5  |
| 3     | Sabic Research & Technology Centre Pvt Ltd Sy No. 81/1,2,3,4..... , Chikkadunnasandra Village, Bangalore Urban District              | Incinerable (In house)                               | 3                  | 48                 | 51                          | 51  |
|       | <b>Total</b>   |  | <b>2324</b>        | <b>249.75</b>      | <b>2573.75</b>              | <b>2573.75</b>  |

# **15. KERALA (Hazardous waste generation and its Management)**

**Table 16(a): Kerala -District-wise details on Hazardous Waste Generation**

| S.No | Name of the District | Number of HW Generating Industry | Authorized Quantity of Hazardous Waste (Metric Tonne) |              |                  |            | Quantity of Hazardous Waste generated as per Annual Return within the State/UT (Metric Tonne) |              |                  |            | Quantity of HW imported during the year (Metric Tonne) | Quantity of HW exported during the year (Metric Tonne) |
|------|----------------------|----------------------------------|---|--------------|------------------|------------|---|--------------|------------------|------------|--|--|
|      |                      |                                  | Landfillable  | Incinerable  | Recyclable       | Utilizable | Landfillable  | Incinerable  | Recyclable       | Utilizable |  |  |
|      |                      |                                  | 1   | 2            | 3                | 4          | 5   | 6            | 7                | 8          |  |  |
| 1    | Trivandrum           | 34                               | 2537.02   | 0            | 10.5             | 0          | 2400.18   | 0            | 7.2              | 0          | 0  | 0  |
| 2    | Kollam               | 53                               | 18750   | 0            | 97.024           | 0          | 18750   | 0            | 97.024           | 0          | 0  | 0  |
| 3    | Pathanamthitta       | 14                               | 0   | 0            | 43530.18         | 0          | 0   | 0            | 43530.18         | 0          | 0  | 0  |
| 4    | Alappuzha            | 82                               | 303.69  | 0            | 176.06           | 0          | 303.69  | 0            | 176.06           | 0          | 0  | 0  |
| 5    | Kottayam             | 39                               | 0   | 0            | 702.3            | 0          | 0   | 0            | 702.3            | 0          | 0  | 0  |
| 6    | Idukki               | 44                               | 0   | 0            | 118.98           | 0          | 0   | 0            | 118.98           | 0          | 0  | 0  |
| 7    | DO-1 Ernakulam       | 133                              | 13723.32  | 11.27        | 864.404          | 0          | 13723.32  | 11.27        | 864.404          | 0          | 0  | 0  |
| 8    | DO-2 Ernakulam       | 317                              | 6650  | 0            | 250              | 0          | 6650  | 0            | 250              | 0          | 0  | 0  |
| 9    | ESC Eloor            | 27                               | 1658.87   | 0            | 10695.25         | 0          | 1658.87   | 0            | 7307.499         | 0          | 0  | 0  |
| 10   | Thrissur             | 95                               | 15170.51  | 0            | 1420.47          | 0          | 15170.51  | 0            | 1420.47          | 0          | 0  | 0  |
| 11   | Palakkad             | 106                              | 715.37  | 0            | 302.265          | 0          | 715.37  | 0            | 302.265          | 0          | 0  | 0  |
| 12   | Malappuram           | 56                               | 0   | 0            | 215.81           | 0          | 0   | 0            | 215.81           | 0          | 0  | 0  |
| 13   | Wayanad              | 33                               | 0   | 0            | 5.1              | 0          | 0   | 0            | 5.1              | 0          | 0  | 0  |
| 14   | Kozhikode            | 78                               | 41.985  | 1.1          | 439.56           | 0          | 41.985  | 1.1          | 439.56           | 0          | 0  | 0  |
| 15   | Kannur               | 105                              | 222.992   | 5            | 236.86           | 0          | 222.99  | 5            | 236.86           | 0          | 0  | 0  |
| 16   | Kasargode            | 6                                | 0.47  | 0            | 65.64            | 0          | 0.473   | 0            | 65.64            | 0          | 0  | 0  |
|      | <b>Total</b>         | <b>1222</b>                      | <b>59774.227</b>                                      | <b>17.37</b> | <b>59130.403</b> | <b>0</b>   | <b>59637.388</b>  | <b>17.37</b> | <b>55739.352</b> | <b>0</b>   | <b>0</b>   | <b>0</b>   |

**Table 16(b): Kerala- 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      | Quantity sent (MT) |
|        |   |  | 12                     |  | 13                 |
| 1      | For disposal at common secured landfill                 | INP  | INP                    | INP                                    | INP                |
| 2      | For disposal at common Incinerator                      | INP  | INP                    | INP                                    | INP                |
| 3      | For recycling by Schedule IV recyclers                  | INP  | INP                    | Maharashtra                            | 0.52               |
| 4      | For utilization in co-processing (cement plants)        | INP  | INP                    | INP                                    | INP                |
| 5      | For utilization under Rule 9 (other than co-processing) | INP  | INP                    | INP                                    | INP                |

**Table 16(c) Kerala-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 Kiln | Other than co-processing | Captive Utilization(ot her than coloumn 15 & 16) |  | Co-processing in Cement Kiln | Under Rule 9 other than co-processing | Captive Utilization(ot her than coloumn 19 & 20) |
|      |                      |  |                              |                          |  |  |                              |                                       |  |
| 1    | Trivandrum           | 6.68   | 0                            | 0                        | 0  | 0  | 0                            | 0                                     |  |
| 2    | Kollam               | 97.024   | 0                            | 0                        | 0  | 0  | 0                            | 0                                     |  |
| 3    | Pathanamthitta       | 43530.18   | 0                            | 0                        | 0  | 0  | 0                            | 0                                     |  |
| 4    | Alappuzba            | 176.06   | 0                            | 0                        | 0  | 0  | 0                            | 0                                     |  |



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| 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 Kiln | Other than co-processing | Captive Utilization(ot her than coloumn 15 & 16) |  | Co-processing in Cement Kiln | Under Rule 9 other than co-processing | Captive Utilization(ot her than coloumn 19 & 20) |
|      |                      |  |                              |                          |  |  |                              |                                       |  |
| 5    | Kottayam             | 702.3  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 6    | Idukki               | 118.98   | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 7    | DO-1 Ernakulam       | 864.404  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 8    | DO-2 Ernakulam       | 250  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 9    | ESC Eloor            | 7307.499   | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 10   | Thrissur             | 1420.47  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 11   | Palakkad             | 302.265  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 12   | Malappuram           | 215.81   | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 13   | Wayanad              | 0.0854   | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 14   | Kozhikode            | 439.56   | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 15   | Kannur               | 236.86   | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 16   | Kasargode            | 65.64  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
|      | <b>Total</b>         | <b>55733.8174</b>  | <b>0</b>                     | <b>0</b>                 | <b>0</b>   | <b>0</b>   | <b>0</b>                     | <b>0</b>                              | <b>0</b>   |

**Table 16(d): Kerala-Details on Hazardous Waste Disposed**

| S.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 Secured Landfill (MT)                 |         | Quantity Disposed through Incinerator (MT) |         |
|       |                      | Common  | Captive | Common                                     | Captive | Common   | Captive | Common                                     | Captive |
|       |                      | 22  | 23      | 24   | 25      | 26   | 27      | 28   | 29      |
| 1     | Trivandrum           | 2400.18   | 0       | 0  | 0       | 0  | 0       | 0  | 0       |
| 2     | Kollam               | 0   | 18750   | 0  | 0       | 0  | 0       | 0  | 0       |

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| S.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 Secured Landfill (MT)                 |          | Quantity Disposed through Incinerator (MT) |          |
|       |                      | Common  | Captive      | Common                                     | Captive  | Common   | Captive  | Common                                     | Captive  |
|       |                      | 22  | 23           | 24   | 25       | 26   | 27       | 28   | 29       |
| 3     | Pathanamthitta       | 0   | 0            | 0  | 0        | 0  | 0        | 0  | 0        |
| 4     | Alappuzba            | 303.69  | 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     | DO-1 Ernakulam       | 13723.32  | 0            | 11.27                                      | 0        | 0  | 0        | 0  | 0        |
| 8     | DO-2 Ernakulam       | 6650  | 0            | 0  | 0        | 0  | 0        | 0  | 0        |
| 9     | ESC Eloor            | 1658.87   | 0            | 0  | 0        | 0  | 0        | 0  | 0        |
| 10    | Thrissur             | 15170.51  | 0            | 0  | 0        | 0  | 0        | 0  | 0        |
| 11    | Palakkad             | 715.37  | 0            | 0  | 0        | 0  | 0        | 0  | 0        |
| 12    | Malappuram           | 0   | 0            | 0  | 0        | 0  | 0        | 0  | 0        |
| 13    | Wayanad              | 0   | 0            | 0  | 0        | 0  | 0        | 0  | 0        |
| 14    | Kozhikode            | 41.985  | 0            | 1.1  | 0        | 0  | 0        | 0  | 0        |
| 15    | Kannur               | 222.99  | 0            | 5  | 0        | 0  | 0        | 0  | 0        |
| 16    | Kasargode            | 0.47  | 0            | 0  | 0        | 0  | 0        | 0  | 0        |
|       | <b>Total</b>         | <b>40887.385</b>  | <b>18750</b> | <b>17.37</b>                               | <b>0</b> | <b>0</b>   | <b>0</b> | <b>0</b>                                   | <b>0</b> |

**Table 16(e): Kerala-Details on Hazardous Waste Stored at Occupier Premises**

| S.No. | Name of the District | Total Quantity of HW stored at Occupier premises at the beginning of the financial year i.e. 01.04.2017 (MT) |             |            |            | Total Quantity of HW stored at Occupier premises during the financial year i.e. 1st April to 31st March 2018 (MT) |             |            |            |
|-------|----------------------|--|-------------|------------|------------|---|-------------|------------|------------|
|       |                      | Landfillable   | Incinerable | Recyclable | Utilizable | Landfillable  | Incinerable | Recyclable | Utilizable |
|       |                      | 30   | 31          | 32         | 33         | 34  | 35          | 36         | 37         |
| 1     | Trivandrum           | 0  | 0           | 0          | 0          | 0   | 0           | 0          | 0          |
| 2     | Kollam               | 18250  | 0           | 0          | 0          | 18250   | 0           | 0          | 0          |
| 3     | Pathanamthitta       | 0  | 0           | 0          | 0          | 0   | 0           | 0          | 0          |

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| S.No. | Name of the District | Total Quantity of HW stored at Occupier premises at the beginning of the financial year i.e. 01.04.2017 (MT) |             |               |            | Total Quantity of HW stored at Occupier premises during the financial year i.e. 1st April to 31st March 2018 (MT) |             |            |            |
|-------|----------------------|--|-------------|---------------|------------|---|-------------|------------|------------|
|       |                      | Landfillable   | Incinerable | Recyclable    | Utilizable | Landfillable  | Incinerable | Recyclable | Utilizable |
|       |                      | 30   | 31          | 32            | 33         | 34  | 35          | 36         | 37         |
| 4     | Alappuzba            | 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     | DO-I Ernakulam       | 0  | 0           | 0             | 0          | 0   | 0           | 0          | 0          |
| 8     | DO-2 Ernakulam       | 0  | 0           | 0             | 0          | 0   | 0           | 0          | 0          |
| 9     | ESC Eloor            | 0  | 0           | 0             | 0          | 0   | 0           | 0          | 0          |
| 10    | Thrissur             | 0  | 0           | 0             | 0          | 0   | 0           | 0          | 0          |
| 11    | Palakkad             | 0  | 0           | 0             | 0          | 0   | 0           | 0          | 0          |
| 12    | Malappuram           | 0  | 0           | 0             | 0          | 0   | 0           | 0          | 0          |
| 13    | Wayanad              | 0  | 0           | 0.0854        | 0          | 0   | 0           | 5.1        | 0          |
| 14    | Kozhikode            | 0  | 0           | 0             | 0          | 0   | 0           | 0          | 0          |
| 15    | Kannur               | 0  | 0           | 0             | 0          | 0   | 0           | 0          | 0          |
| 16    | Kasargode            | 0  | 0           | 0             | 0          | 0   | 0           | 0          | 0          |
|       | <b>Total</b>         | <b>18250</b>   | <b>0</b>    | <b>0.0854</b> | <b>0</b>   | <b>18250</b>  | <b>0</b>    | <b>5.1</b> | <b>0</b>   |

**Table 16(f): Kerala-Details on Recycling / Utilization/Co-Processing of Hazardous Waste**

| S.No     | Type of Recycling Facilities  | No of Facilities authorized for recycling / utilization / Co-processing of HW | Total Authorized Capacity (MTA) | Quantity Recycled/ Utilized/ Co-processed (MT) during the year |
|----------|-------------------------------|---|---------------------------------|--|
| <b>A</b> | <b>Commonly Recyclable HW</b> |   |                                 |  |
| 1        | Brass Dross                   | 0   | 0                               | 0  |
| 2        | Zinc Bearing Wastes           | 1   | 2920                            | Unit is temporarily closed                                     |
| 3        | Copper Bearing Waste          |   |                                 |  |
| 4        | Used oil                      | 3   | 41355                           | 13333.27   |
| 5        | Waste Oil                     |   |                                 |  |
| 6        | Spent Carbon                  | 0   | 0                               | 0  |
|          | <b>Total</b>                  | <b>4</b>  | <b>44275</b>                    | <b>13333.27</b>  |

| S.No | Type of Recycling Facilities   | No of Facilities authorized for recycling / utilization / Co-processing of HW | Total Authorized Capacity (MTA) | Quantity Recycled/ Utilized/ Co-processed (MT) during the year |
|------|--------------------------------|---|---------------------------------|--|
| B    | Utilization of HW under Rule 9 | 0   | 0                               | 0  |
| C    | Co-processing in Cement Plants | 0   | 0                               | 0  |

Table 16(g): Kerala-List of Authorized Recyclers/ Utilizers/Co-processors of Hazardous Waste

| 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)     |
|------|---|--|---|--|
| 1    | M/s Southern Refineries Ltd., Kauzhinjanvila, Parassala P.O, Thiruvanthapuram - 695 502 Kerala                | Used Oil/ Waste Oil                              | 7300 t/y  | Annual Return Not Submitted (Unit not functioning) |
| 2    | M/s Cee Jee Lubricants VI/592, Industrial Development Area, Edayar, Binanipuram P.O Aluva - 683 502           | Used Oil/ Waste Oil                              | 10695.25  | 7262.86  |
| 3    | M/s K.J Lubes SIDCO Industrial park Athani, Thrissur - 680 581  | Used Oil   |   | Unit not functioning                               |
| 4    | M/s APJ Refineries Pvt. Ltd. Puduserry Central Village, New Industrial, Development Area, Kanjikode - 678 621 | Used Oil<br>Waste Oil                            | 14600 t/y<br>8760 t/y   | 6070.41  |
| 5    | M/s Aaron International, Plot No. 10 Industrial Development Plot, Parakulam, Anakkara P.O Palakkad - 679 551  | Cu & Zn materials                                | 2920 tonnes per year  | Unit temporarily closed                            |

**Table 16(h): Kerala-Details of Hazardous waste disposed in Common TSDF(s)**

| 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 Pre-Processed for utilization (MT) | Quantity in Stock at the end of the year (MT) |             | Cumulative HW disposed in SLF by the end of financial year (MT) | Capacity           |                   |                 |
|------|--|---|-------------|--|------------------------------|------------------|---|-------------------------------------|----------------------|---|---|-------------|---|--------------------|-------------------|-----------------|
|      |  | Land fillable                                       | Incinerable | For Direct landfill                        | For Landfill after treatment | For Incineration | Quantity Landfilled directly              | Quantity Landfilled after treatment | Quantity Incinerated |   | Landfillable                                  | Incinerable |   | Incinerator (KCal) | Incinerator (T/H) | Landfill (MT/A) |
| 1    | M/s Kerala Enviro Infrastructure Ltd., TSDF, Project, inside FACT CD Campus, Ambalamedu, Kochi | 590   | 0           | 42436.94                                   | 12020.735                    | 0                | 42885.94                                  | 12082.24                            | 0                    | 0   | 79.5  | 0           | 352560.4  | 0                  | 0                 | 50000           |

**Table 15(i): Kerala-Details of Hazardous waste disposed in Captive TSDF(s)**

| S. No. | Name and Address of Captive facility | Type of facility (landfillable/Incinerable/both) | Capacity          |                 | HW disposed during the year | Cumulative HW disposed till the end of financial year |
|--------|--------------------------------------|--|-------------------|-----------------|-----------------------------|---|
|        |                                      |  | Incinerator (T/H) | Landfill (MT/A) |                             |   |
| 1      | M/s KMML, Chavara, Kollam            | Landfill   | Nil               | 37000           | 18750                       |   |

**16.**  
**MADHYA PRADESH**  
**(Hazardous waste generation and its Management)**

**Table 16(a): Madhya Pradesh -District-wise details on Hazardous Waste Generation**

| S.No | Name of the District | Number of HW Generating Industry | Authorized Quantity of Hazardous Waste (Metric Tonne) |             |            |            | Quantity of Hazardous Waste generated as per Annual Return within the State/UT (Metric Tonne) |             |            |            | Quantity of HW imported during the year (Metric Tonne) | Quantity of HW exported during the year (Metric Tonne) |
|------|----------------------|----------------------------------|---|-------------|------------|------------|---|-------------|------------|------------|--|--|
|      |                      |                                  | Landfillable  | Incinerable | Recyclable | Utilizable | Landfillable  | Incinerable | Recyclable | Utilizable |  |  |
|      |                      |                                  | 1   | 2           | 3          | 4          | 5   | 6           | 7          | 8          |  |  |
| 1    | Bhopal               | 193                              | 45.55   | 1289.875    | 3260.88    | 50         | 14.58   | 169.34      | 1932.9     | 0          | 0  | 0  |
| 2    | Raisen               | 79                               | 4799.02   | 4048.807    | 7344.99    | 17.5       | 3696.69   | 1018.37     | 1922.42    | 0          | 0  | 0  |
| 3    | Hoshangabad          | 25                               | 58.1  | 28.192      | 271.87     | 0          | 19.51   | 0.12        | 192.51     | 0          | 0  | 0  |
| 4    | Betul                | 20                               | 15  | 5           | 125.68     | 0          | 10.28   | 42.58       | 8.3        | 0          | 0  | 0  |
| 5    | Vidisha              | 24                               | 60  | 0           | 12142.16   | 0          | 40.92   | 0           | 390.92     | 0          | 0  | 0  |
| 6    | Sehore               | 16                               | 10627.6   | 93.27       | 252.91     | 0          | 7513.24   | 0           | 206.81     | 0          | 0  | 0  |
| 7    | Harda                | 5                                | 0   | 0           | 3.18       | 0          | 0   | 0           | 0          | 0          | 0  | 0  |
| 8    | Indore               | 455                              | 63063.57  | 3.5         | 2025.88    | 2331.65    | 775.66  | 0           | 137.74     | 1246.33    | 0  | 0  |
| 9    | Khargone             | 46                               | 3501.44   | 0           | 269.78     | 600.2      | 1041.35   | 0           | 25.03      | 359.52     | 0  | 0  |
| 10   | Burhanpur            | 23                               | 53.62   | 0           | 2.02       | 0.085      | 11.25   | 0           | 0.23       | 0.035      | 0  | 0  |
| 11   | Khandwa              | 12                               | 34.5  | 0           | 19.14      | 0          | 5.22  | 0           | 3.16       | 0          | 0  | 0  |
| 12   | Barwani              | 6                                | 193.4   | 0           | 24.32      | 0          | 60.1  | 0           | 13.48      | 0          | 0  | 0  |
| 13   | Dhar                 | 34                               | 7172.85   | 259.5       | 14070.35   | 953901.25  | 1984  | 138.27      | 4916.83    | 691.76     | 0  | 0  |
| 14   | Jhabua               | 25                               | 25136.4   | 128         | 21810.78   | 42203.9    | 4127  | 0           | 2.24       | 30614.54   | 0  | 0  |
| 15   | Alirajpur            | 1                                | 120   | 0           | 0          | 720        | 0   | 0           | 0          | 26.25      | 0  | 0  |
| 16   | Shahdol              | 36                               | 0   | 0           | 72.8       | 3000       | 0   | 0           | 71.11      | 1579       | 0  | 0  |
| 17   | Anuppur              | 38                               | 2.6   | 6.6         | 191.19     | 0          | 0.79  | 4.878       | 99.74      | 0          | 0  | 0  |
| 18   | Umariya              | 28                               | 0   | 5           | 19.39      | 0          | 0   | 5           | 12.24      | 0          | 0  | 0  |
| 19   | Rewa                 | 76                               | 0   | 0           | 1034.73    | 0          | 0   | 0           | 142.03     | 0          | 0  | 0  |
| 20   | Sidhi                | 14                               | 0   | 0           | 327.88     | 0          | 0   | 0           | 22.03      | 0          | 0  | 0  |
| 21   | Satna                | 67                               | 0   | 0           | 6980.75    | 0          | 0   | 0           | 798.5      | 0          | 715  | 798.5  |
| 22   | Sagar                | 22                               | 564.7   | 2616        | 812.59     | 157120     | 187   | 0           | 426.12     | 18871.56   | 0  | 0  |

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| S.No | Name of the District | Number of HW Generating Industry | Authorized Quantity of Hazardous Waste (Metric Tonne) |             |            |            | Quantity of Hazardous Waste generated as per Annual Return within the State/UT (Metric Tonne) |             |            |            | Quantity of HW imported during the year (Metric Tonne) | Quantity of HW exported during the year (Metric Tonne) |
|------|----------------------|----------------------------------|---|-------------|------------|------------|---|-------------|------------|------------|--|--|
|      |                      |                                  | Landfillable  | Incinerable | Recyclable | Utilizable | Landfillable  | Incinerable | Recyclable | Utilizable |  |  |
|      |                      |                                  | 1   | 2           | 3          | 4          | 5   | 6           | 7          | 8          |  |  |
| 23   | Chhatarpur           | 12                               | 0   | 0           | 11.54      | 0          | 0   | 0           | 0          | 0          | 0  | 0  |
| 24   | Tikamgarh            | 7                                | 0   | 0           | 1.36       | 0          | 0   | 0           | 0          | 0          | 0  | 0  |
| 25   | Damoh                | 6                                | 0   | 78.97       | 46.98      | 0          | 0   | 13.32       | 22.89      | 0          | 0  | 0  |
| 26   | Panna                | 2                                | 0   | 16.2        | 4.85       | 0          | 0   | 9           | 1.73       | 0          | 0  | 0  |
| 27   | Katni                | 30                               | 6.82  | 13.942      | 289.47     | 16846.65   | 0.225   | 0.108       | 126.12     | 16837.83   | 0  | 0  |
| 28   | Sez Pithampur        | 25                               | 7441.75   | 45          | 240.12     | 0.8        | 2864.3  | 36.04       | 28.02      | 0.07       | 0  | 0  |
| 29   | Ujjain               | 37                               | 11040.43  | 4205        | 1543.14    | 4500       | 10636.82  | 2103.44     | 107.4      | 0          | 0  | 0  |
| 30   | Ratlam               | 23                               | 4084.2  | 3000        | 6297.27    | 896.65     | 2367.25   | 1133.01     | 416.66     | 0          | 0  | 0  |
| 31   | Mandsaur             | 14                               | 459.22  | 0           | 4.06       | 1002.6     | 0   | 0           | 0          | 0.28       | 0  | 0  |
| 32   | Neemuch              | 17                               | 245.6   | 890         | 3152.36    | 36         | 15.19   | 0           | 1.68       | 0          | 0  | 0  |
| 33   | Jabalpur             | 152                              | 1054.76   | 0           | 5696.76    | 0          | 308.83  | 0           | 1335.12    | 0          | 0  | 0  |
| 34   | Mandla               | 38                               | 22.3  | 0           | 23.48      | 0          | 1.2   | 0           | 18.35      | 0          | 0  | 0  |
| 35   | Narsinghpur          | 52                               | 52.11   | 0           | 10.19      | 0          | 0   | 0           | 1.57       | 0          | 0  | 0  |
| 36   | Seoni                | 40                               | 8.6   | 0           | 40.61      | 0          | 0   | 0           | 27.26      | 0          | 0  | 0  |
| 37   | Balaghat             | 16                               | 0   | 0           | 33.66      | 0          | 0   | 0           | 29.66      | 0          | 0  | 0  |
| 38   | Gwalior              | 203                              | 294.98  | 0           | 259.88     | 22.35      | 212.25  | 0           | 7.02       | 0.018      | 0  | 0  |
| 39   | Bhind                | 54                               | 6864.891  | 560         | 16205.59   | 37.28      | 834.28  | 351.84      | 8809.24    | 5383.23    | 0  | 0  |
| 40   | Morena               | 48                               | 67.4  | 0           | 115.75     | 12         | 2.04  | 0           | 19.84      | 0          | 0  | 0  |
| 41   | Datia                | 19                               | 4.64  | 0           | 11.13      | 0          | 0.619   | 0           | 0.12       | 0          | 0  | 0  |
| 42   | Guna                 | 19                               | 575   | 0           | 125.21     | 25.2       | 0   | 0           | 7.05       | 1.87       | 0  | 0  |
| 43   | Shivpuri             | 5                                | 0   | 0           | 0.89       | 0          | 0   | 0           | 0          | 0          | 0  | 0  |
| 44   | Ashoknagar           | 7                                | 0   | 0           | 1.67       | 0          | 0   | 0           | 0          | 0          | 0  | 0  |
| 45   | Rajgarh              | 17                               | 1000.8  | 0.85        | 14.48      | 1042.68    | 0   | 0.59        | 0.83       | 56.53      | 464.18   | 0  |



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| S.No | Name of the District | Number of HW Generating Industry | Authorized Quantity of Hazardous Waste (Metric Tonne) |                  |               |                  | Quantity of Hazardous Waste generated as per Annual Return within the State/UT (Metric Tonne) |                 |                 |                   | Quantity of HW imported during the year (Metric Tonne) | Quantity of HW exported during the year (Metric Tonne) |
|------|----------------------|----------------------------------|---|------------------|---------------|------------------|---|-----------------|-----------------|-------------------|--|--|
|      |                      |                                  | Landfillable  | Incinerable      | Recyclable    | Utilizable       | Landfillable  | Incinerable     | Recyclable      | Utilizable        |  |  |
|      |                      |                                  | 1   | 2                | 3             | 4                | 5   | 6               | 7               | 8                 |  |  |
| 46   | Chhindwara           | 34                               | 1591.9  | 0                | 92.08         | 8505.9           | 513.145   | 0               | 44.07           | 247.32            | 0  | 0  |
| 47   | Dewas                | 142                              | 15850.5   | 3309             | 74256.5       | 0                | 1050.317  | 308.87          | 25015.25        | 0                 | 0  | 0  |
| 48   | Shajapur             | 11                               | 1367.18   | 0                | 34.82         | 0                | 0   | 0               | 0               | 0                 | 0  | 0  |
| 49   | Pithampur            | 251                              | 13978.29  | 4056.982         | 20226.38      | 1511             | 3997.5  | 1095.64         | 18031.96        | 425.03            | 0  | 0  |
| 50   | Singrauli            | 38                               | 14142.5   | 766.6            | 6924.5        | 48000            | 9842.38   | 481.79          | 4702.91         | 45768.08          | 0  | 0  |
|      | <b>Total</b>         | <b>2564</b>                      | <b>195602.22</b>                                      | <b>25426.288</b> | <b>206728</b> | <b>1242383.6</b> | <b>52133.936</b>  | <b>6912.206</b> | <b>70079.09</b> | <b>122109.253</b> | <b>1179.18</b>   | <b>798.5</b>   |

**Table 16(b): Madhya Pradesh- 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      | Quantity sent (MT) |
|        |   |  | 12                     |  | 13                 |
| 1      | For disposal at common secured landfill | 0  | 0                      | 0                                      | 0                  |
| 2      | For disposal at common Incinerator      | 0  | 0                      | 0                                      | 0                  |
| 3      | For recycling by Schedule IV recyclers  | Maharashtra                                  | 3317.809               | Haryana                                | 744.34             |
|        |   | Rajasthan                                    | 289.54                 | Andhra Pradesh                         | 220.06             |
|        |   | Daman & Diu                                  | 16.7                   | UP                                     | 202.93             |
|        |   | Gujarat                                      | 732.7                  | Maharashtra                            | 515.15             |
|        |   | Jammu & Kashmir                              | 22.65                  | West Bengal                            | 425.33             |
|        |   | Karnataka                                    | 1406.557               | Gujarat                                | 218.7              |
|        |   | Andhra Pradesh                               | 232                    | Tamil Nadu                             | 122.33             |
|        |   | Orissa                                       | 2866.605               | Bihar                                  | 28.7               |
|        | Chhattisgarh                            | 543.598                                      | 0                      | 0                                      |                    |

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| 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      | Quantity sent (MT) |
|        |   |  | 12                     |  | 13                 |
|        |   | Bihar  | 259.35                 | 0                                      | 0                  |
|        |   | Kerala                                       | 142.833                | 0                                      | 0                  |
|        |   | Tamil Nadu                                   | 269                    | 0                                      | 0                  |
|        |   | Assam  | 181.8                  | 0                                      | 0                  |
|        |   | UP   | 61.84                  | 0                                      | 0                  |
|        |   | Goa  | 26                     | 0                                      | 0                  |
|        |   | Haryana                                      | 60.655                 | 0                                      | 0                  |
|        |   | Jharkhand                                    | 400.309                | 0                                      | 0                  |
|        |   | West Bengal                                  | 0.55                   | 0                                      | 0                  |
|        |   | Delhi  | 589.247                | 0                                      | 0                  |
| 4      | For utilization in co-processing (cement plants)        | 0  | 0                      | 0                                      | 0                  |
| 5      | For utilization under Rule 9 (other than co-processing) | 0  |                        | Rajasthan                              | 86.98              |
|        |   |  |                        | Odissa                                 | 1897.74            |
|        |   |  |                        | Chattisgarh                            | 5528.3             |
|        |   |  |                        | UP                                     | 918.87             |
|        |   |  |                        | West Bengal                            | 70.19              |

**Table 16(c): Madhya Pradesh-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 Kiln | Other than co-processing | Captive Utilization(other than coloumn 15 & 16) |  | Co-processing in Cement Kiln | Under Rule 9 other than co-processing | Captive Utilization(ot her than coloumn 19 & 20) |
|      |                      |  |                              |                          |   |  |                              |                                       |  |
| 1    | Bhopal               | 1879.52  | 0                            | 0                        | 2.012   | 0  | 0                            | 0                                     | 0  |
| 2    | Raisen               | 1335.9   | 443.99                       | 0                        | 16.3  | 0  | 0                            | 0                                     | 0  |
| 3    | Hoshangabad          | 192.21   | 0                            | 0                        | 0.1   | 0  | 0                            | 0                                     | 0  |
| 4    | Betul                | 8.3  | 0                            | 0                        | 42.587  | 0  | 0                            | 0                                     | 0  |
| 5    | Vidisha              | 387.1  | 0                            | 0                        | 0.6402  | 0  | 0                            | 0                                     | 0  |
| 6    | Sehore               | 41.7   | 0                            | 0                        | 0   | 0  | 0                            | 0                                     | 0  |
| 7    | Harda                | 0  | 0                            | 0                        | 0   | 0  | 0                            | 0                                     | 0  |
| 8    | Indore               | 9154.09  | 1068.323                     | 250                      | 0   | 9826.38  | 0                            | 0                                     | 0  |
| 9    | Khargoaane           | 777.42   | 137.55                       | 0.027                    | 0   | 622.53   | 0                            | 0                                     | 0  |
| 10   | Burhanpur            | 0  | 0.035                        | 0                        | 0   | 0  | 0                            | 0                                     | 0  |
| 11   | Khandwa              | 1.52   | 0                            | 0                        | 0   | 0  | 0                            | 0                                     | 0  |
| 12   | Barwani              | 12.98  | 0                            | 0                        | 0   | 0  | 0                            | 0                                     | 0  |
| 13   | Dhar                 | 4917.02  | 94.38                        | 0                        | 597.385   | 0  | 0                            | 0                                     | 0  |
| 14   | Jhabua               | 2.24   | 0                            | 0                        | 30614.548                                       | 0  | 0                            | 0                                     | 0  |
| 15   | Alirajpur            | 26.25  | 0                            | 0                        | 0   | 0  | 0                            | 0                                     | 0  |
| 16   | Shahdol              | 31   | 0                            | 1579                     | 0   | 0  | 0                            | 0                                     | 0  |
| 17   | Umaria               | 0.2  | 0                            | 0                        | 0   | 0  | 0                            | 0                                     | 0  |
| 18   | Satna                | 715  | 0                            | 0                        | 0   | 0  | 0                            | 0                                     | 0  |
| 19   | Sagar                | 425.33   | 0                            | 0                        | 12492   | 0  | 0                            | 0                                     | 0  |

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| 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 Kiln | Other than co-processing | Captive Utilization(Other than column 15 & 16) |  | Co-processing in Cement Kiln | Under Rule 9 other than co-processing | Captive Utilization(Other than column 19 & 20) |
| 20   | Katni                | 125.47   | 0.108                        | 0.255                    | 16826.2  | 0  | 0                            | 0                                     | 0  |
| 21   | Sez Pithampur        | 85.12  | 60.49                        | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 22   | Ujjain               | 107.4  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 23   | Ratlam               | 416.66   | 306.79                       | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 24   | Neemuch              | 60.29  | 2787.096                     | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 25   | Jabalpur             | 100.5  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 26   | Mandla               | 129.61   | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 27   | Gwalior              | 1.826  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 28   | Bhind                | 8799.573   | 195.32                       | 0.018                    | 0  | 0  | 0                            | 0                                     | 0  |
| 29   | Morena               | 17.425   | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 30   | Datia                | 0.12   | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 31   | Rajgarh              | 185  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 32   | Chhindwara           | 44.078   | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 33   | Dewas                | 25015.252  | 295.11                       | 48140.41                 | 0  | 0  | 0                            | 0                                     | 0  |
| 34   | Pithampur            | 5763.285   | 137.65                       | 17173.027                | 0  | 0  | 0                            | 0                                     | 0  |
| 35   | Singrauli            | 4702.917   | 0                            | 0                        | 45768.086                                      | 0  | 0                            | 0                                     | 0  |
|      | <b>Total</b>         | <b>65462.306</b>   | <b>5526.842</b>              | <b>67142.737</b>         | <b>106359.8582</b>                             | <b>10448.91</b>  | <b>0</b>                     | <b>0</b>                              | <b>0</b>                                       |

**Table 16(d): Madhya Pradesh-Details on Hazardous Waste Disposed**

| S.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 Secured Landfill (MT)                 |         | Quantity Disposed through Incinerator (MT) |         |
|       |                      | Common  | Captive | Common                                     | Captive | Common   | Captive | Common                                     | Captive |
|       |                      | 22  | 23      | 24   | 25      | 26   | 27      | 28   | 29      |
| 1     | Bhopal               | 14.58   | 0       | 122.93                                     | 0       | 0  | 0       | 0  | 0       |
| 2     | Raisen               | 3696.69   | 0       | 1018.37                                    | 0       | 0  | 0       | 0  | 0       |
| 3     | Hoshangabad          | 19.51   | 0       | 0.12                                       | 0       | 0  | 0       | 0  | 0       |
| 4     | Betul                | 10.28   | 0       | 42.58                                      | 0       | 0  | 0       | 0  | 0       |
| 5     | Vidisha              | 40.92   | 0       | 0  | 0       | 0  | 0       | 0  | 0       |
| 6     | Sehore               | 7513.24   | 0       | 0  | 0       | 0  | 0       | 0  | 0       |
| 7     | Indore               | 560.45  | 0       | 0  | 0       | 0  | 0       | 0  | 0       |
| 8     | Khargoaane           | 376.73  | 0       | 0  | 0       | 0  | 0       | 0  | 0       |
| 9     | Burhanpur            | 0   | 0       | 0  | 0       | 0  | 0       | 0  | 0       |
| 10    | Khandwa              | 5.12  | 0       | 0  | 0       | 0  | 0       | 0  | 0       |
| 11    | Barwani              | 64.7  | 0       | 0  | 0       | 0  | 0       | 0  | 0       |
| 12    | Dhar                 | 1984  | 0       | 66.34                                      | 71.36   | 0  | 0       | 0  | 0       |
| 13    | Jhabua               | 4127  | 0       | 0  | 0       | 0  | 0       | 0  | 0       |
| 14    | Alirajpur            | 0   | 0       | 0  | 0       | 0  | 0       | 0  | 0       |
| 15    | Anuppur              | 0.79  | 0       | 0  | 0       | 0  | 0       | 0  | 0       |
| 16    | Umaria               | 0   | 0       | 0  | 30.91   | 0  | 0       | 0  | 0       |
| 17    | Katni                | 0.25  | 0       | 0.1  | 0       | 0  | 0       | 0  | 0       |
| 18    | Sez Pithampur        | 2975.37   | 0       | 21.04                                      | 0       | 0  | 0       | 0  | 0       |
| 19    | Ujjain               | 543.74  | 3084.5  | 246.29                                     | 1856.75 | 0  | 0       | 0  | 0       |
| 20    | Ratlam               | 2367.25   | 0       | 316.51                                     | 509.7   | 0  | 0       | 0  | 0       |
| 21    | Neemuch              | 15.19   | 0       | 0  | 0       | 0  | 0       | 0  | 0       |
| 22    | Jabalpur             | 51  | 258.34  | 0  | 0       | 0  | 0       | 0  | 0       |
| 23    | Mandla               | 1.37  | 0       | 0  | 0       | 0  | 0       | 0  | 0       |
| 24    | Gwalior              | 191.31  | 0       | 0  | 0       | 0  | 0       | 0  | 0       |
| 25    | Bhind                | 821.5   | 0       | 349.92                                     | 0       | 0  | 0       | 0  | 0       |
| 26    | Morena               | 1.06  | 0       | 0  | 0       | 0  | 0       | 0  | 0       |
| 27    | Guna                 | 575   | 0       | 0  | 0       | 0  | 0       | 0  | 0       |

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| S.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 Secured Landfill (MT)                 |          | Quantity Disposed through Incinerator (MT) |          |
|       |                      | Common  | Captive        | Common                                     | Captive        | Common   | Captive  | Common                                     | Captive  |
|       |                      | 22  | 23             | 24   | 25             | 26   | 27       | 28   | 29       |
| 28    | Rajgarh              | 1000.8  | 0              | 0.85                                       | 0              | 0  | 0        | 0  | 0        |
| 29    | Chhindwara           | 511.64  | 0              | 0  | 0              | 0  | 0        | 0  | 0        |
| 30    | Dewas                | 1050.31   | 0              | 308.87                                     | 0              | 0  | 0        | 0  | 0        |
| 31    | Pithampur            | 4204.02   | 0              | 409.53                                     | 0              | 0  | 0        | 0  | 0        |
| 32    | Singrauli            | 4921.19   | 0              | 240.89                                     | 0              | 0  | 0        | 0  | 0        |
|       | <b>Total</b>         | <b>37645.01</b>   | <b>3342.84</b> | <b>3144.34</b>                             | <b>2468.72</b> | <b>0</b>   | <b>0</b> | <b>0</b>                                   | <b>0</b> |

**Table 16(e): Madhya Pradesh-Details on Hazardous Waste Stored at Occupier Premises**

| S.No. | Name of the District | Total Quantity of HW stored at Occupier premises at the beginning of the financial year i.e. 01.04.2017 (MT) |             |            |            | Total Quantity of HW stored at Occupier premises during the financial year i.e. 1st April to 31st March 2018 (MT) |             |            |            |
|-------|----------------------|--|-------------|------------|------------|---|-------------|------------|------------|
|       |                      | Landfillable   | Incinerable | Recyclable | Utilizable | Landfillable  | Incinerable | Recyclable | Utilizable |
|       |                      | 30   | 31          | 32         | 33         | 34  | 35          | 36         | 37         |
| 1     | Bhopal               | 1.92   | 66.76       | 86.47      | 0          | 1.14  | 60.4        | 190.6      | 0          |
| 2     | Raisen               | 8.6  | 10.27       | 3.44       | 0          | 0.77  | 0.55        | 2.11       | 0          |
| 3     | Hoshangabad          | 14.15  | 0           | 116.01     | 0          | 7.405   | 0           | 84.42      | 0          |
| 4     | Betul                | 12   | 45.37       | 8.12       | 0          | 0   | 0           | 21.22      | 1.78       |
| 5     | Vidisha              | 0  | 0           | 0          | 0          | 0   | 0           | 2.18       | 0          |
| 6     | Sehore               | 395.16   | 0.2         | 12.75      | 0          | 177.91  | 0           | 2.52       | 0          |
| 7     | Harda                | 0  | 0           | 0          | 0          | 0   | 0           | 0          | 0          |
| 8     | Indore               | 21.92  | 0           | 24.47      | 0          | 60.81   | 0           | 21.02      | 109        |
| 9     | Khargoaane           | 0  | 0           | 0          | 205.05     | 501.61  | 0           | 0.74       | 590        |
| 10    | Burhanpur            | 0.75   | 0           | 0          | 0          | 11.43   | 0           | 0.81       | 0          |
| 11    | Khandwa              | 0  | 0           | 0.8        | 0          | 0.1   | 0           | 2.44       | 0          |
| 12    | Barwani              | 13.7   | 0           | 0.25       | 0          | 9.1   | 0           | 0.75       | 0          |
| 13    | Dhar                 | 103.5  | 0           | 0          | 0          | 0   | 64.7        | 2.73       | 0          |
| 14    | Jhabua               | 8  | 0           | 0          | 0          | 15.26   | 0           | 0          | 0          |
| 15    | Alirajpur            | 0  | 0           | 0          | 0          | 18.37   | 0           | 0          | 0          |
| 16    | Shahdol              | 0  | 0           | 46.62      | 0          | 0   | 0           | 46.73      | 0          |
| 17    | Anuppur              | 0  | 0           | 12.81      | 0          | 0   | 4.87        | 56.64      | 0          |
| 18    | Umaria               | 0  | 25.91       | 0          | 0          | 0   | 0           | 12.04      | 0          |
| 19    | Satna                | 0  | 0           | 114.09     | 0          | 0   | 0           | 83.5       | 0          |
| 20    | Damoh                | 0  | 0           | 0          | 0          | 0   | 0           | 0          | 0          |
| 21    | Katni                | 0.25   | 0           | 0.65       | 11.63      | 0.25  | 0           | 0          | 0          |
| 22    | Sez Pithampur        | 803.79   | 0           | 2.83       | 0          | 548.15  | 15          | 18.11      | 0          |
| 23    | Ujjain               | 8580   | 0           | 0          | 0          | 7010.82   | 10          | 2.5        | 0          |

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|    |              |                 |               |                 |               |                  |                |                  |                    |
|----|--------------|-----------------|---------------|-----------------|---------------|------------------|----------------|------------------|--------------------|
| 24 | Ratlam       | 3.21            | 200           | 0               | 0             | 0                | 0              | 0                | 0                  |
| 25 | Neemuch      | 0.8             | 79.03         | 0               | 0             | 0.3              | 99.7           | 0                | 0                  |
| 26 | Jabalpur     | 0.96            | 0             | 0               | 0             | 0.45             | 0              | 0                | 0                  |
| 27 | Mandla       | 0.17            | 0             | 0               | 0             | 1.2              | 0              | 0                | 0                  |
| 28 | Gwalior      | 0               | 0             | 0.44            | 0.07          | 24.56            | 0              | 5.2              | 0                  |
| 29 | Bhind        | 46.12           | 0             | 21.95           | 1.54          | 13.12            | 1.92           | 9.66             | 15.16              |
| 30 | Morena       | 0.98            | 0             | 18.43           | 0             | 0.98             | 0              | 2.42             | 0                  |
| 31 | Datia        | 0               | 0             | 0.31            | 0             | 0.61             | 0              | 0                | 0                  |
| 32 | Guna         | 148             | 0             | 21.82           | 0             | 0.61             | 0              | 7.05             | 1.87               |
| 33 | Rajgarh      | 0               | 0             | 0.06            | 0             | 0.61             | 0.037          | 0.0272           | 0.00189            |
| 34 | Chhindwara   | 0               | 0             | 0               | 18.73         | 343.13           | 0              | 55.49            | 285.82             |
| 35 | Dewas        | 120.45          | 125.45        | 75.09           | 0             | 110.11           | 25.35          | 123.22           | 0                  |
| 36 | Shajapur     | 0               | 0             | 1               | 0             | 0                | 0              | 11.23            | 0                  |
| 37 | Pithampur    | 0               | 0             | 4904.34         | 0             | 77.61            | 256.23         | 301.94           | 9.32               |
| 38 | Singrauli    | 0               | 0             | 5604.21         | 0             | 4921.19          | 240.89         | 4702.91          | 48254              |
|    | <b>Total</b> | <b>10284.43</b> | <b>552.99</b> | <b>11076.96</b> | <b>237.02</b> | <b>13857.605</b> | <b>779.647</b> | <b>5770.2072</b> | <b>49266.95189</b> |



**Table 16(f): Madhya Pradesh-Details on Recycling / Utilization/Co-Processing of Hazardous Waste**

| S.No     | Type of Recycling Facilities   | No of Facilities authorized for recycling / utilization / Co-processing of HW | Total Authorized Capacity (MTA) | Quantity Recycled/ Utilized/ Co-processed (MT) during the year |
|----------|--|---|---------------------------------|--|
| <b>A</b> | <b>Commonly Recyclable HW</b>  |   |                                 |  |
| 1        | Brass Dross  | 2   | 1600                            | 0  |
| 2        | Zinc Bearing Wastes  | 7   | 17140                           | 4652.7   |
| 3        | Copper Bearing Waste   | 10  | 62510                           | 250.4  |
| 4        | Spent catalyst containing nickel, cadmium, Zinc, copper, arsenic, vanadium and cobalt  | 1   | 2000                            | 381.5  |
| 5        | Lead bearing waste including battery waste   | 58  | 148200                          | 22457  |
| 6        | E-Waste  | 2   | 13605                           | 177.38   |
| 7        | Paint and ink Sludge/residues  | 1   | 4500                            | 453.47   |
| 8        | Used oil   | 17  | 102360                          | 3863   |
| 9        | Waste Oil  | 7   | 35700                           | 78.012   |
| 10       | Spent Catalyst   | 1   | 15000                           | 196.623  |
|          | <b>Total</b>   | <b>106</b>  | <b>402615</b>                   | <b>32510.085</b>   |
| <b>B</b> | <b>Utilization of HW under Rule 9</b>  |   |                                 |  |
| 1        | Recovery of solvents from spent solvents   | 8   | 7935                            | 31982  |
| 2        | Utilization of Spent HCl generated form steel rolling mills for producing Ferric Chloride  | 1   | 18000                           | 7933.416   |
| 3        | Utilization of Used Anode Butt to produce Carbon Pellets and High Energy (HE) Coke for use in Steel furnaces/foundries.                    | 1   | 9000                            | 0  |
| 4        | Utilization of Used Anode Butt to produce Carbon Blended Coke / Electrode carbon Paste /Carburiser for use in Steel or ferroalloy furnaces |   |                                 |  |
| 5        | Utilization of pre-processed Used Anode Butt to produce Green Anodes through Anode-Baking Process for use in Aluminium Smelters            | 1   | 48000                           | 48254.4  |
| 6        | De-contamination of contaminated drums/containers/ barrels   | 3   | 626000 Nos. =<br>62600 MT       | 0  |
| 7        | Utilization of process sludge and primary ETP sludge generated from Pulp & Paper Industries for producing Paper Board/ Mill Board/         | 1   | 3000                            | 1579   |

| S.No     | Type of Recycling Facilities   | No of Facilities authorized for recycling / utilization / Co-processing of HW | Total Authorized Capacity (MTA) | Quantity Recycled/ Utilized/ Co-processed (MT) during the year |
|----------|--|---|---------------------------------|--|
|          | Card Board   |   |                                 |  |
| 8        | Captive Utilization of Aluminium Dross generated from refining and casting house of Aluminium smelter units to recover Aluminium Metal   | 1   | 600                             | 0  |
| 9        | Utilization of Aluminium Dross generated from refining and casting house of Aluminium smelter units to recover Aluminium Metal   | 1   | 600                             | 235.51   |
| 10       | Utilization of Resin Waste (mixture of Bisphenol A and Epichlorohydrin) generated from Resin impregnation of electrical coils power/hydro equipments industries for manufacturing of High Tension/Low Tension Insulators | 1   | 20                              | 0  |
| 11       | Utilization of Spent Alumina generated during Polymerization in SWING unit of Petrochemical Plant for manufacturing of Refractory material like Insulation bricks, Mortar, Castables, High Alumina bricks                | 1   | 10000                           | 0  |
|          | <b>Total</b>   | 19  | 159755                          | 89984.326  |
| <b>C</b> | <b>Co-processing in Cement Plants</b>  | 2   | 645654.03                       | 3704.68  |

Table 16(g): Madhya Pradesh-List of Authorized Recyclers/ Utilizers/Co-processors of Hazardous Waste

| 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) |
|------|---|--|---|--|
| 1    | M/s. Shikhar Sai Oils Pvt. Ltd.,<br>695, AKVN Industrial Area,<br>Sector-3, Pithampur, Dist. Dhar,                            | used oil<br>Waste oil                            | 4300 MT<br>4300 MT  | 0  |
| 2    | M/s. Kamla Chemicals,<br>(Re-Refiners of Waste Oil),<br>Plot No. 29, Industrial Area, Richhai, Jabalpur<br>(M.P.) PIN 482 010 | Used oil   | 810 MT  | 0  |

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| 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) |
|------|---|--|---|--|
| 3    | M/s. Jaital Chemicals<br>Baraghatta, Industrial Area, IInd Phase, Jhansi<br>Road, Gwalior (M.P.)          | Waste oil  | 900 KLA   | 206.710  |
|      |   | Used oil   | 900 KLA   | 206.378  |
| 4    | M/s. Universal Petrochemical,<br>Sagar Road, Vidisha (M.P.)   | Used oil   | 3600 KLA  | 118.02   |
| 5    | M/s. P20 Green Ref. Ltd.,<br>K. No. 225, Naita, Bapcha, Dewas   | Used oil   | 50000   |  |
| 6    | M/s. Manspuran Petro Chem P. Ltd., 205-A ,<br>New Industrial Area, Mandideep, Dist. Raisen                | Used oil   | 3600  | 1196.5   |
| 7    | M/s. Bhaskar Lub. Pvt. Ltd., Richhai, Industrial<br>Area, Jabalpur  | Used oil   | 3200 KLA  | 92.7   |
| 8    | SM/s. Sagar Shri Lubricant<br>Plot No. 379, Sector-3, Pithampur, Dist. Dhar                               | Used oil   | 900 KLA   | 243.254  |
| 9    | Shree Nakoda Industries, Plot No. 93 , Sector-<br>1, Industrial Area ,Pithampur, Dhar                     | Used oil   | 900   | 248.85   |
| 10   | M/s. Shri Rang Petrochem Ind, 51/A, AKVN<br>Industrial Area, Megh Nagar, Dist. Jhabua                     | Used oil   | 6000 KLA  | 0  |
|      |   | Waste oil  | 12000 KLA   |  |
| 11   | M/s. Manglam Petro Chemicals, Sagar Road,<br>Vidisha  | Used oil   | 6000 KLA  | 62.71  |
|      |   | Waste oil  | 1000 KLA  |  |
| 12   | M/s. Shri Agrasen Oil Refinery Pvt. Ltd., Plot<br>No. 3, Sector-III, Pithampur, Dist. Dhar (M.P.)         | Used oil   | 1000 KLA  | 86.341   |
| 13   | M/s. Sarvavyapi Petrochem (P) Ltd., Plot No.<br>118-B, Malanpur, Dist. Bhind (M.P.)                       | Used oil   | 3000 KLA  | 0  |
|      |   | Waste oil  | 2500 KLA  |  |
| 14   | M/s. Swarn Lubricant Pvt. Ltd., Plot No. 699,<br>Sector-3, AKVN Industrial Area, Pithampur,<br>Dist. Dhar | Used oil   | 10,000 MTA  | 0  |
|      |   | Waste oil  | 10,000 MTA  |  |
| 15   | M/s. Nakoda Lubricant,<br>Plot No. 992/1, Jawad Phanta, Bharbhadia,<br>Distt. Neemuch                     | Used oil   | 3000 MT   | 60.29  |

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| 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) |
|------|--|--|---|--|
| 16   | M/s. Aadi Chemtrade Pvt. Ltd.,<br>404, Sector-3, Industrial Area, pithampur, Dist. Dhar                | Used oil<br>Waste oil                            | 1000 MTA<br>5000 MTA  | 78.368   |
| 17   | M/s. S.P. Metal Industries,<br>Plot No. 11, Industrial Area, Banmore, Dist. Morena, (M.P.)             | Lead Acid battery plates &<br>Lead scrap         | 1700 MT   | 0  |
| 18   | M/s. G.S. Metals,<br>Plot No. 40 - 41 /10, Industrial Area, Phase - I, A - B Road, DEWAS (M.P.)        | Lead Acid battery plates &<br>Lead scrap         | 750 MT  | 10   |
| 19   | M/s. Unicon Metal & Alloys Pvt. Ltd., Plot No. 48 C,D, Industrial Area No. 1, A - B Road, DEWAS (M.P.) | Lead Acid battery plates &<br>Lead scrap         | 5000 MT   | 10.85  |
| 20   | M/s. Hemal Industries,<br>Plot No. 299-B, Sector-F, Sanwer Road, Industrial Area, INDORE (M.P.)        | Lead Acid battery plates &<br>Lead scrap         | 3000  | 689.8  |
| 21   | M/s. A.M. Industries,<br>96 B Sector - F, Sanwer Road, Indore (M.P.)                                   | Lead Acid battery plates &<br>Lead scrap         | 2000  | 0  |
| 22   | M/s. Aman Enterprises,<br>Plot No. A-10/A, Sector-E, Industrial Area, Sanwar Road, INDORE (M.P.)       | Lead Acid battery plates &<br>Lead scrap         | 3250  | 475.72   |
| 23   | M/s. Varun Enterprises,<br>290-B, 303-304 A, Sector-E, Sanwer Road, Industrial Area, INDORE (M.P.)     | Lead Acid battery plates &<br>Lead scrap         | 5000  | 4890   |
| 24   | M/s. Paliwal Metals, 235-B/236, Sector-F, Sanwer Road, Industrial Area, INDORE (M.P.)                  | Lead Acid battery plates &<br>Lead scrap         | 4200  | 0  |

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| 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) |
|------|--|--|---|--|
| 25   | M/s. A.K. Industries,<br>Purani Chhawani,<br>A – B Road, Behind Police Station,GWALIOR<br>(M.P.)               | Lead Acid battery plates &<br>Lead scrap         | 600   | 70   |
| 26   | M/s. K.G. Industries,<br>Plot No. 99/100, Industrial Area No. 2, A B<br>Road, DEWAS (M.P.)                     | Lead Acid battery plates &<br>Lead scrap         | 5000  | 0  |
| 27   | M/s. M.M. Enterprises,<br>32 B, 32 E, Sector – C,Industrial Area, RATLAM<br>(M.P.)                             | Lead Acid battery plates &<br>Lead scrap         | 5000  | 416.66   |
| 28   | M/s. Sameer Industries,<br>Plot No. 130 – 131, Sector-E,<br>Sanwer Road, Industrial Area,<br>INDORE (M.P.)     | Lead Acid battery plates &<br>Lead scrap         | 4200  | 2108.26  |
| 29   | M/s. Neha Industries,<br>Plot No. 327 – 328, Sector-F,<br>Sanwer Road, Industrial Area,<br>INDORE (M.P.)       | Lead Acid battery plates &<br>Lead scrap         | 3600  | 1093.72  |
| 30   | M/s. Shiv Shakti Iron & Metal Industries, Plot<br>No. 2-B, Baraghat Industrial Area, GWALIOR                   | Lead Acid battery plates &<br>Lead scrap         | 1700  | 719.238  |
| 31   | M/s. Shivalik Vyapar Pvt. Ltd.,<br>Khasra No. 69/1/1, 69/1/2,<br>Gram Panchderia, Sanwer Road,INDORE<br>(M.P.) | Lead Acid battery plates &<br>Lead scrap         | 5000  | 1553.93  |
| 32   | M/s. Vaishnav Sai Industry,Plot No. 101-A,<br>Industrial Area No. 3, A – B Road, Dewas                         | Lead Acid battery plates &<br>Lead scrap         | 5000  | 0.4  |
| 33   | M/s. Mahamaya Batteries,<br>E-32, Sector-C, Sanwer Road,<br>Industrial Estate, Indore                          | Lead Acid battery plates &<br>Lead scrap         | 3600  | 35.81  |

## National Inventory Report on Hazardous Waste Generation and Its Management (2017-18)

| 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) |
|------|---|--|---|--|
| 34   | M/s. Payal Industries,<br>Plot No. 30, Industrial Area, Katkut Road,<br>Barwah, Khargone.           | Lead Acid battery plates &<br>Lead scrap         | 2500  | 0  |
| 35   | M/s. Balkrishna Industries,<br>Plot No. 212-C/1, Sector-F, Sanwer Road,<br>Indore                   | Lead Acid battery plates &<br>Lead scrap         | 960   | 0  |
| 36   | M/s. Sarthak Vyapar Industries, Plot No. 12, D-<br>1, Industrial Area No.1, A - B Road, Dewas       | Lead Acid battery plates &<br>Lead scrap         | 4500  | 0.2  |
| 37   | M/s. Mark Metal Co.<br>Plot No. 38-B, 39-B, Sector-C, Sanwer Road,<br>Industrial Area, Indore       | Lead Acid battery plates &<br>Lead scrap         | 2500  | 0  |
| 38   | M/s. Swami Metals,<br>Gram Singawada, Ujjain Road, Dewas  | Lead Acid battery plates &<br>Lead scrap         | 1000  | 1  |
| 39   | M/s. Balaji Industries,<br>Purani Chawani, A - B Road, Gwalior                                      | Lead Acid battery plates &<br>Lead scrap         | 850   |  |
| 40   | M/s. Singhai Metals<br>Plot No. 68-B, 69-A, Sector-F, Industrial Area,<br>Sanwer Road, Indore       | Lead Acid battery plates &<br>Lead scrap         | 3600  | 216.3  |
| 41   | M/s. Naman Industries,<br>Plot No. 319, A-3, Sector-F, Sanwer Road,<br>Industrial Area, Indore      | Lead Acid battery plates &<br>Lead scrap         | 3700  | 1778.67  |
| 42   | M/s. M.M. Metal Ind. Ltd.,<br>Plot No. 7-B, Sector-B, Industrial Estate,<br>Mandideep, Dist. Raisen | Lead Acid battery plates &<br>Lead scrap         | 3000  | 0  |
| 43   | M/s. Aastha Industries,<br>Plot No. 96, Industrial Area, Dewas                                      | Lead Acid battery plates &<br>Lead scrap         | 500   | 2.4  |
| 44   | M/s. Maa Vaishnow Ind.<br>Plot No. 13, Sector-5, Katkat road, Badwaha,<br>Dist. Khargone            | Lead Acid battery plates &<br>Lead scrap         | 5000  | 0  |

## National Inventory Report on Hazardous Waste Generation and Its Management (2017-18)

| 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) |
|------|--|--|---|--|
| 45   | M/s. R.K. Industries Ltd.,<br>Industrial Area, Jhansi Road, Gwalior                                  | Lead Acid battery plates &<br>Lead scrap         | 3600  | 628.4  |
| 46   | M/s. Swastic Enterprises,<br>Plot No. 101-B, Industrial Area No.1, A - B<br>Road, Dewas              | Lead Acid battery plates &<br>Lead scrap         | 330   | 0  |
| 47   | M/s. R.K. Industries,<br>Plot No. E16-B. E-17 A , Sector-C, Sanwer<br>Road, Indore                   | Lead Acid battery plates &<br>Lead scrap         | 900   | 0  |
| 48   | M/s. Vijay Metal Ind.<br>Plot No. 5, Opp. Electricity Baraghat, Industrial<br>Area, Gwalior          | Lead Acid battery plates &<br>Lead scrap         | 670   | 0  |
| 49   | M/s. Calcutta Metal Industries,<br>Shed No. 12-A, Industrial Area, Jabalpur                          | Lead Acid battery plates &<br>Lead scrap         | 310   | 7.8  |
| 50   | M/s. Priya Industries,<br>P. No. 101-B, Industrial Area No. 1, A - B Road,<br>Dewas                  | Lead Acid battery plates &<br>Lead scrap         | 310   | 0.2  |
| 51   | M/s. Padwal Industries<br>Plot No. 12-14, AKVN Industrial Area,<br>Meghnagar, Dist. Jhabua           | Lead Acid battery plates &<br>Lead scrap         | 450   | 0  |
| 52   | M/s. Shivam Industry<br>Vill. Mordongri, Near Warehouse, Nagpur<br>Road, Pandhurna, Dist. Chhindwara | Lead Acid battery plates &<br>Lead scrap         | 900   | 0  |
| 53   | M/s. EM-ES Battery & Allied Products, Plot No.<br>42, Sector-A, Mandideep, Dist. Raisen              | Lead Acid battery plates &<br>Lead scrap         | 600   | 0  |
| 54   | M/s. Yuvika Alloys ,<br>Plot No. 3, Industrial Growth Centre, Maneri,<br>Mandla                      | Lead Acid battery plates &<br>Lead scrap         | 1800  | 86.3   |

## National Inventory Report on Hazardous Waste Generation and Its Management (2017-18)

| 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) |
|------|--|--|---|--|
| 55   | M/s. S.P. Plastic Industry<br>Plot No. 11, A – B Road, Banmore, Dist. Morena (M.P.)              | Lead Acid battery plates & Lead scrap            | 1500  | 0  |
| 56   | M/s. Nobal Industries,<br>Plot No. 296/B, Sector-F, Sanwer Road, Indore                          | Lead Acid battery plates & Lead scrap            | 3000  | 1622.72  |
| 57   | M/s. M.S. Metal<br>Plot No. 300, Sector-F, Industrial Estate, Sanwer Road, Indore                | Lead Acid battery plates & Lead scrap            | 3060  | 1758.43  |
| 58   | M/s. Shanti Industry<br>Plot No. 5, 2nd Phase, Baraghatta, Industrial Area, Jhansi Road, Gwalior | Lead Acid battery plates & Lead scrap            | 500   | 220  |
| 59   | M/s. Manoj Industry,<br>Plot No. D-16, 17, Sector-C, Industrial Area, Sanwer Road, Indore        | Lead Acid battery plates & Lead scrap            | 2450  | 695.81   |
| 60   | M/s. Agrawal Metal Industry,<br>Plot No. 251/A, Sector-F, Sanwer Road, Indore                    | Lead Acid battery plates & Lead scrap            | 2000  | 415.4  |
| 61   | M/s. Krishna Metal Agency,<br>Plot No. 158-B, Sector-F, Industrial Area, Sanwer Road, Indore     | Lead Acid battery plates & Lead scrap            | 1800  | 913.49   |
| 62   | M/s. Shanti Prakash Power (P) Ltd., Plot No. 9, Phase-II, Baraghata, Jhansi Road, Gwalior        | Lead Acid battery plates & Lead scrap            | 900   | 240  |
| 63   | M/s. Chhabi Industries,<br>Plot No. 59-B/1, Industrial Area, Dewas (M.P.)                        | Lead Acid battery plates & Lead scrap            | 300   | 10   |



## National Inventory Report on Hazardous Waste Generation and Its Management (2017-18)

| 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) |
|------|---|--|---|--|
| 64   | M/s. Gwalior Metal Industries, Shankarpur, Transport Nagar, Gwalior (M.P.)  | Lead Acid battery plates & Lead scrap            | 1700  | 412.8  |
| 65   | M/s. Krishna Iron & Metal Industry, Plot No. 19, Baraghata Industrial Area, Jhansi Road, Gwalior (M.P.)               | Lead Acid battery plates & Lead scrap            | 800   | 230  |
| 66   | M/s. OMS Metals, Plot No. 287/1/2, 155/1, Vill. Pangara, Tehsil Uchera, Distt. Satna                                  | Lead Acid battery plates & Lead scrap            | 1200  | 0  |
| 67   | M/s. Lakshmi Vilas Metal Enterprises Pvt. Ltd., Plot No. 24(B), IGC, AKVN Boregaon, Tehsil Saunsar, Distt. Chhindwara | Lead Acid battery plates & Lead scrap            | 6000  | 0  |
| 68   | M/s. Kanti Metal Industries, Plot No. 2, Industrial Area, Tehsil Mudwara, Dist. Katni                                 | Lead Acid battery plates & Lead scrap            | 510   | 0  |
| 69   | M/s. Krishna Industries Plot No. 287-B, 288-A, Sector-F, Sanwer Road, Indore  | Lead acid battery scrap                          | 3000  | 306.22   |
| 70   | M/s. Banke Bihari Industries, Plot No. 3, Barghata, Tehsil Gird, Distt. Gwalior                                       | Lead acid battery scrap                          | 900   | 50   |
| 71   | M/s. Indore Metal Corp. Plot No. 70, Industrial Area, Richhai, Jabalpur   | Lead acid battery, Brass & Zinc Scrap            | 4800  | 0  |
| 72   | M/s. Mahaveer Metal Industries, Plot No. 5, Industrial Area, Baraghata, Tehsil Gird, Distt. Gwalior                   | Lead Acid battery plates & Lead scrap            | 800   | 561.217  |
| 73   | M/s. A.P. Metal Industries, Plot No. 42, Industrial Area, Richhai, Jabalpur   | Lead Acid battery plates & Lead scrap            | 1200  | 0  |

## National Inventory Report on Hazardous Waste Generation and Its Management (2017-18)

| 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) |
|------|---|--|---|--|
| 74   | M/s. Maa Gomti Steel Industries, (lead & Copper unit)<br>Plot No. 143, 144/A, Sector-E, Industrial Area, Indore   | Lead Acid battery plates & Lead scrap            | 4000  | 0  |
| 75   | M/s. Ankur Pesticides Pvt. Ltd.<br>244, Sector-F, Sanwer Road, Industrial Area, Indore  | Lead acid battery plate scrap                    | 2100  | 0  |
| 76   | M/s. Gurukripa Industries,<br>Plot No. B/27-D, B/27, Sector-C, Industrial Area, Sanwer Road, Indore   | Lead acid battery plate scrap                    | 4800  | 0  |
| 77   | M/s. Balaji Industries,<br>Plot No. 231/A, 232/A, Sector-E, Sanwer Road, Industrial Area, Indore  | Lead acid battery plate scrap                    | 4300  | 0  |
| 78   | M/s. Malwa Strips Pvt. Ltd.,<br>Plot No. 17 to 20, I.S. Gajra Industrial Area - II, A - B Road, DEWAS (M.P.)  | Copper cable, insulated copper wire              | 2000  | 0  |
| 79   | M/s. Uttam Organic Fertichem Pvt. Ltd., 4/5,<br>Industrial Area, Nimrani,<br>Dist. Khargone (M.P.)  | Zinc Ash   | 8400  | 2252.45  |
| 80   | M/s. Rajratan Technique & Technology Pvt. Ltd., Khasra No. 168, 169, 170 & 168/458/4, 11/1, Pipliyarao, Bholaram Ustad Marg, Bhawarkua, INDORE - 452 013 (M.P.) | Ink sludge/residue                               | 4500  | 453.45   |
| 81   | M/s. Balaji Phosphate Pvt. Ltd.,<br>23-B, 24-A, Industrial Area, A - B Road, Dewas.   | Zink Ash   | 1000  | 0  |
| 82   | M/s. Kamni Organics (Unit-II)<br>37-B, Industrial Area, Balia Road Growth, Dist. Mandsour   | Zink Ash / Zinc dross                            | 1000  | 0  |

National Inventory Report on Hazardous Waste Generation and Its Management (2017-18)

| 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) |
|------|--|--|---|--|
| 83   | M/s. Kalyan Zinc Sulphate<br>Gram Umarna, The. Kachrol, Dist. Ujjain                                     | Zink Ash / Zinc dross  | 1440  | 0  |
| 84   | M/s Unique Echo Recycler<br>Plot No. 26, Industrial Area, Palda, Indore                                  | E-waste  | 6000  | 177.384  |
| 85   | M/s. Siddharth Wires (P) Ltd.,<br>A – B Road, Biora, Dist. Rajgarh                                       | Zinc dross   | 1800  | 649.21   |
| 86   | M/s. Savitri Enterprises, Plot No. 22-B,<br>Laxmibai Nagar, Industrial Area, Indore                      | Brass Dross, Copper Dross,<br>Zinc Dross & Zinc Ash                          | 300   | 301  |
| 87   | M/s. Yuvika Alloys<br>Plot No. 3, Industrial Growth Centre, Maneri,<br>Dist. Mandla                      | Brass Scrap, Copper<br>Scrap, Aluminum<br>Zinc Scrap                         | 600 MT<br>600 MT<br>600 MT<br>600 MT                              | 86.3   |
| 88   | M/s. Vayanktesh Metal & Alloys Pvt. Ltd., Plot<br>No. 203, Sector-F, Sanwer Road, Indore                 | Spent catalyst Metal Salt,<br>Nickel & Cobalt                                | 2000  | 381.5  |
| 89   | M/s. Hostech Eco Management Pvt. Ltd., Plot<br>No. 27, Sector-C, Sanwer Road, Indore                     | Electronic Waste Sch. 4, Sl.<br>No. 18                                       | 585                      7020                                     | 0  |
| 90   | M/s. Cable Processors India (P) Ltd., Plot No.<br>1, Sector-A, Industrial Area, Maneri, Mandla<br>(M.P.) | (1) Copper Scrap/ Alloys<br>(2) Insulated copper wire<br>scrap/ copper Druid | 500 MTA<br><br>1500 MTA   | 43.31  |

## National Inventory Report on Hazardous Waste Generation and Its Management (2017-18)

| 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) |
|------|---|--|---|--|
| 91   | M/s. Jaza Industries<br>Shed No. 15, Industrial Area, Govindpura,<br>Bhopal   | (1) Copper Dross<br>(2) Insulated copper wire<br>scrap/ copper with PVC<br>sheathing                       | 30 MA<br>170 MT   | 0  |
| 92   | M/s. Vishal Fab (India) Pvt. Ltd., (Unit-2) Plot<br>No. 13 - 14, Sector-F, Industrial Area, Sanwer<br>Road, Indore      | Copper scrap Bar Scrap,<br>cable copper Mill-barry<br>Rod, copper clave, copper<br>punching, copper powder | 1800  | 0  |
| 93   | M/s. Laxmi Vilas Metal Enterprises Pvt. Ltd.,<br>Plot No. 24 (B) IGC AKVN Boregaon, Tehsil<br>Saunsar, Dist. Chhindwara | Copper Scrap, Jelly filled,<br>copper cable scrap, Druid<br>copper cable scrap                             | 1350  | 0  |
| 94   | M/s. Sugam Chemicals,<br>Plot No. 341, Sector-3, Industrial Area,<br>Pithampur , Dist. Dhar                             | Spent solvent  | 615   | 77.683   |
| 95   | M/s. Premier Refractories of India Pvt. Ltd.,<br>Plot No. 41, 528/3, NKJ Katni, Tehsil Mudwara,<br>Distt. Katni         | Spent catalyst   | 15000 MTA   | 0  |
| 96   | M/s. M.P. Dyechem Industries Pvt. Ltd., Plot<br>No. 59-63, Sector-A, Sanwer Road, Indore                                | Spent solvent  | 1080 MT   | 0  |
| 97   | M/s. K.K. Industries<br>Plot No. 306/2, Sondwa, Vill. Chhoktala, Tehsil<br>& Distt. Alirajpur                           | Copper Dross & Druid   | 720   | 26.25  |
| 98   | M/s. Mishra Traders<br>Kh.NO. 895/5, 896/3, Vill. Berwa Tola,<br>Dhatura, Post Pachore, Dist. Singrauli                 | Alumina dross  | 600   | 235.51   |

## National Inventory Report on Hazardous Waste Generation and Its Management (2017-18)

| 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) |
|------|---|---|---|--|
| 99   | M/s. Dielectric Corporation,<br>Plot No. F/92, Industrial Area, Govindpura,<br>Bhopal   | Resin waste   | 20  | 0  |
| 100  | M/s. Royal Enterprises<br>Plot No. 94-B, Industrial Area No. 1, A – B<br>Road, Dewas  | Spent Solvent   | 1050  | 0  |
| 101  | M/s. Krishna Calcination & Refractories Pvt.<br>Ltd., Plot No. 21 & 86, Lamtara, Tehsil<br>Mudwara, Dist. Katni                     | (1) Process & waste from<br>treatment of salt sludge<br>(2) Cathode residue<br>including POT lining waste<br>(3) Used Anode butts | 6000 MT<br>1500 MT<br>2000 MT                                     | 0  |
| 102  | M/s. Perfect Stoneware Pipe Ltd., (old name:<br>Perfect Acid Ware, Plot No. 49 to 50, AKVN<br>Industrial Area, Maneri, Dist. Mandla | Spent Alumina from<br>Polymerization in swing<br>unit of petro chem.  | 10000   | 0  |
| 103  | M/s. Shloak Chemical India Pvt. Ltd., Plot No.<br>21, Sector-3, Industrial Area, Pithampur, Dist.<br>Dhar                           | Spent solvent   | 250   | 3.94   |
| 104  | M/s. Shailchem Distillate Pvt. Ltd., Plot No.<br>139-A, 140-142-A, AKVN Industrial Area,<br>Meghnagar, Dist. Jhabua                 | Spent solvent   | 2500  | 0  |
| 105  | M/s. Tanishi Organo Chem<br>Plot No. 49-B, Sector-2, Industrial Area,<br>Pithampur, Distt. Dhar                                     | Spent solvent   | 240   | 115  |
| 106  | M/s. Krish Enterprises,<br>Plot No. 309/A-1, Udyog Nagar, Palda, Indore,<br>Distt. Indore   | Spent solvent   | 1000  | 0  |

National Inventory Report on Hazardous Waste Generation and Its Management (2017-18)

| 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) |
|------|--|--|---|--|
| 107  | M/s. Mittal Appliance Ltd.,<br>Plot No. 75, Sector-3, Industrial Area,<br>Pithampur, Dist. Dhar                    | Insulated copper wire<br>scrap/copper with PVC<br>sheathing ISRI Code<br>material name 'druid' | 24000   | 0  |
| 108  | M/s. Shalni Plastic Pvt. Ltd., Plot No. 103, 104,<br>285, Shri Ram Marg, Maksi, Dist. Shajapur                     | Zinc Ash<br>Zinc dross/bottom dross<br>Brass dross   | 2000 MT<br>600 MT<br>1000 MT                                      | 0  |
| 109  | M/s. Maa Gomti Steel Industries, (Lead &<br>Copper unit) Plot No. 143, 144-A, Sector-E,<br>Industrial Area, Indore | Insulated copper wire<br>scrap)(IV-2,7) Copper dross<br>& PVC sheathing including<br>ISRI      | 1840  | 0  |
| 110  | M/s. Baba Metals,<br>Plot No. 722-B, Sector-3, Pithampur, Distt.<br>Dhar   | Cleaned barrel/ Drums/<br>container for industrial Re-<br>use                                  | 30,000 Nos./year  |  |
| 111  | M/s. Eco-Cycler Traders<br>Plot No. 205, Sector-3, Industrial Area,<br>Pithampur, Dist. Dhar                       | Cleaned barrel/ Drums/<br>container for industrial Re-<br>use                                  | 96000 Nos./year   | 0  |
| 112  | M/s. Saurabh Industry,<br>Plot No. 55-J, Industrial Area, Maksi Road,<br>Ujjain                                    | Spent solvent  | 1200  | 0  |
| 113  | M/s. Satyamitra Sales & Trading Co. Ltd., Plot<br>23-B, Industrial Area, Sanwer Road, Indore                       | Empty<br>Barrels/Containers/liners<br>contaminated with H.W.<br>chemical                       | 5,00,000 Nos/year   | 0  |
| 114  | Ms/. Mittal Coin Pvt. Ltd.,<br>Plot No. 76, Sector-III, Industrial Area,<br>Pithampur, Distt. Dhar                 | Insulated copper wire<br>scrap)/ copper with PVC<br>sheathing (Sch.IV-2,7)<br>Copper dross     | 28000 MTA   | 0  |

## National Inventory Report on Hazardous Waste Generation and Its Management (2017-18)

| 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) |
|------|---|--|---|--|
| 115  | Krasoma Bio Chem Pvt. Ltd., Plot No. 254 , Sector-3, Industrial Area ,Pithampur, Dhar | Utilization of spent HCL generated from steel rolling mills for producing ferric chloride  | 18000   | 7933.416                                       |
| 116  | M/s Divya Refinery Pvt.Ltd. Vill. Jignahat Distt. Satna                               | Used oil   | 4150  | 528  |
| 117  | M/s Orient Paper Mill Amlai Distt. Shahdol  | Utilization of hazardous waste S.N.13- Utilization of process sludge and primary ETP sludge generated from Pulp & Paper Industries for producing Paper Board/ Mill Board/ Card Board | 3000  | 1579   |

**Table 16(h): Madhya Pradesh-Details of Hazardous waste disposed in Common TSDF(s)**

| 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 Pre-Processed for utilization (MT) | Quantity in Stock at the end of the year (MT) |             | Cumulative HW disposed in SLF by the end of financial year (MT) | Capacity           |                   |                 |
|-------|--|---|-------------|--|------------------------------|------------------|---|-------------------------------------|----------------------|---|---|-------------|---|--------------------|-------------------|-----------------|
|       |  | Land fillable                                       | Incinerable | For Direct landfill                        | For Landfill after treatment | For Incineration | Quantity Landfilled directly              | Quantity Landfilled after treatment | Quantity Incinerated |   | Landfillable                                  | Incinerable |   | Incinerator (KCal) | Incinerator (T/H) | Landfill (MT/A) |
| 1     | M/s Madhya Pradesh Waste Management Project, Pithampur | 0   | 469.6       | 1697.0                                     | 30753.3                      | 4585.87          | 1697.0                                    | 30753.3                             | 3375.6               | 0   | 0   | 1679.9      | 32450.3   | 5500               | 20000             | 70000           |

**Table 16(i): Madhya Pradesh-Details of Hazardous waste disposed in Captive TSDF(s)**

| S. No. | Name and Address of Captive facility                                   | Type of facility (landfillable/Incinerable/both) | Capacity          |                 | HW disposed during the year | Cumulative HW disposed till the end of financial year |
|--------|--|--|-------------------|-----------------|-----------------------------|---|
|        |  |  | Incinerator (T/H) | Landfill (MT/A) |                             |   |
| 1      | National Steel & Agro Ind. Ltd., (CGL Div.), Gram Sejwaya, Dist. Dhar  | Incinerable                                      | 2 Kl/hr           | 0               | 24.579                      | 24.579  |
| 2      | M/s RSAL Steel Pvt. Ltd., Vill. Sejwaya, Post Ghatabillod, Dhar        | Incinerable                                      | 100 L/hr          | 0               | 46.784                      | 46.784  |
| 3      | M/s IPCA Laboratories Ltd. Ratlam                                      | Incinerable                                      | 2                 | 0               | 509.707                     | 509.707   |
| 4      | M/s KEC International Ltd., Village-Deori, Jabalpur                    | Landfill   | 0                 | 16500 m3        | 258.34                      | 8864  |
| 5      | M/s Navin Fluorine International Ltd., Industrial area A B road, Dewas | Incinerable                                      | 0.07              | 0               | 0                           | 0   |
| 6      | M/s Sun Pharmaceutical Pvt. Ltd., Industrial area A B Road, Dewas      | Incinerable                                      | 0.1042            | 0               | 71                          | 71  |



# **17.**

# **MAHARASHTRA**

## **(Hazardous waste generation and its Management)**

Table 17(a): Maharashtra-Details of Hazardous waste Generation

| S.No | Name of the District | Number of HW Generating Industry | Authorized Quantity of Hazardous Waste (Metric Tonne) |             |            |            | *Quantity of Hazardous Waste generated as per Annual Return within the State/UT (Metric Tonne) |             |            |            | Quantity of HW imported during the year (Metric Tonne) | Quantity of HW exported during the year (Metric Tonne) |
|------|----------------------|----------------------------------|---|-------------|------------|------------|--|-------------|------------|------------|--|--|
|      |                      |                                  | Landfillable  | Incinerable | Recyclable | Utilizable | Landfillable   | Incinerable | Recyclable | Utilizable |  |  |
|      |                      |                                  | 1   | 2           | 3          | 4          | 5  | 6           | 7          | 8          |  |  |
| 1    | Ahmednagar           | 103                              | 1569  | 3495.23     | 6414.91    | 261.72     | 1395.29  | 0.8         | 2698       | 0          | -  | -  |
| 2    | Akola                | 20                               | 807   | 270.7       | 481.42     | 1.02       | 103  | 306         | 0.2        | 0          | -  | -  |
| 3    | Amravati             | 42                               | 9331.01   | 181.7       | 189.98     | 65.4       | 761  | 27          | 0.02       | 0          | -  | -  |
| 4    | Aurangabad           | 254                              | 25241.09  | 25535.31    | 35648.37   | 28004.6    | 18916.9  | 471.1       | 21430.18   | 540.82     | -  | -  |
| 5    | Beed                 | 15                               | 155.45  | 519.58      | 848.6      | 0          | 0  | 0.42        | 1.2        | 0          | -  | -  |
| 6    | Bhandara             | 34                               | 4781.7  | 157.66      | 994.29     | 0.6        | 1575   | 80          | 0          | 0          | -  | -  |
| 7    | Buldhana             | 16                               | 2115.25   | 213.96      | 24.7       | 60.6       | 25   | 41          | 1.5        | 0          | -  | -  |
| 8    | Chandrapur           | 99                               | 11299.36  | 1955.47     | 1729.42    | 264        | 467  | 245         | 10.1       | 44.1       | -  | -  |
| 9    | Dhule                | 29                               | 5781.72   | 537.26      | 399.94     | 4.2        | 356.5  | 2.87        | 101.1      | 0          | -  | -  |
| 10   | Gadchiroli           | 4                                | 762   | 0           | 2          | 0          | 0  | 0           | 10.5       | 0          | -  | -  |
| 11   | Gondia               | 9                                | 2444  | 0.6         | 18407.8    | 144        | 0  | 2           | 10         | 0          | -  | -  |
| 12   | Hingoli              | 4                                | 0   | 16          | 1.1        | 0          | 0  | 19.42       | 1.5        | 0          | -  | -  |
| 13   | Jalgaon              | 89                               | 11797.5   | 11595.4     | 70230.16   | 278.3      | 311.58   | 10.26       | 350.1      | 0          | -  | -  |
| 14   | Jalna                | 28                               | 18626.67  | 7463.98     | 158.28     | 320.5      | 34.45  | 0.22        | 9.8        | 0.2        | -  | -  |
| 15   | Kolhapur             | 192                              | 33425.74  | 4637.09     | 3443.73    | 590        | 17181.84   | 3191.69     | 3410.1     | 1.2        | -  | -  |
| 16   | Latur                | 19                               | 222.86  | 7490.98     | 2.82       | 240        | 265.14   | 69.58       | 0.86       | 0          | -  | -  |
| 17   | Mumbai City          | 404                              | 37403.18  | 13423.84    | 116755.85  | 7538.8     | 4303.62  | 1615.1      | 1744.56    | 1901.02    | -  | -  |
| 18   | Mumbai Suburban      |                                  |   |             |            |            |  |             |            |            | -  | -  |
| 19   | Nagpur               | 299                              | 39029.16  | 8382.96     | 31049.49   | 2309.46    | 18533  | 1780        | 237.56     | 1.54       | -  | -  |
| 20   | Nanded               | 23                               | 460.93  | 34.55       | 217.61     | 425.48     | 116.65   | 248.97      | 1.2        | 0          | -  | -  |
| 21   | Nandurbar            | 13                               | 598.9   | 1079.55     | 6.43       | 0          | 3.48   | 1.51        | 27.5       | 0          | -  | -  |
| 22   | Nashik               | 280                              | 26420.95  | 20295.63    | 12810.9    | 3345.6     | 8099.86  | 5.42        | 25.13      | 113.9      | -  | -  |
| 23   | Osmanabad            | 12                               | 228   | 1929.74     | 4.8        | 2.8        | 33.48  | 131.58      | 1.47       | 0          | -  | -  |

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| S.No | Name of the District | Number of HW Generating Industry | Authorized Quantity of Hazardous Waste (Metric Tonne) |                  |                  |                 | *Quantity of Hazardous Waste generated as per Annual Return within the State/UT (Metric Tonne) |                |                 |                | Quantity of HW imported during the year (Metric Tonne) | Quantity of HW exported during the year (Metric Tonne) |
|------|----------------------|----------------------------------|---|------------------|------------------|-----------------|--|----------------|-----------------|----------------|--|--|
|      |                      |                                  | Landfillable  | Incinerable      | Recyclable       | Utilizable      | Landfillable   | Incinerable    | Recyclable      | Utilizable     |  |  |
|      |                      |                                  | 1   | 2                | 3                | 4               | 5  | 6              | 7               | 8              |  |  |
| 24   | Palghar              | 615                              | 66250.41  | 13836.45         | 311097.58        | 20808.06        | 46679.63   | 5324.46        | 29342.43        | 41.14          | -  | -  |
| 25   | Parbhani             | 6                                | 0   | 12286.8          | 4.7              | 0               | 0  | 36.75          | 8.5             | 0              | -  | -  |
| 26   | Pune                 | 993                              | 86049.77  | 63134.97         | 77117.9          | 18355.33        | 32873.28   | 11427.62       | 10670.1         | 6625.04        | -  | -  |
| 27   | Raigad               | 621                              | 161070.88   | 71162.28         | 270110.1         | 20240.8         | 65019.47   | 7545.89        | 2902.38         | 4054.62        | -  | -  |
| 28   | Ratnagiri            | 98                               | 15115.04  | 5811.32          | 10107.19         | 393.08          | 9580.98  | 610            | 1.12            | 1.34           | -  | -  |
| 29   | Sangli               | 77                               | 6478.91   | 9664.62          | 5543.3           | 1223.8          | 52.8   | 1686.76        | 0.9             | 0.1            | -  | -  |
| 30   | Satara               | 157                              | 5760.22   | 2622.87          | 2422.58          | 69.59           | 1556.17  | 891.42         | 34.76           | 1.2            | -  | -  |
| 31   | Sindhudurg           | 7                                | 2060.92   | 3.36             | 64.58            | 0               | 0  | 0              | 2               | 0              | -  | -  |
| 32   | Solapur              | 161                              | 6070.78   | 2538.15          | 12730.87         | 716.2           | 1146.18  | 6039.32        | 13.31           | 28.31          | -  | -  |
| 33   | Thane                | 1579                             | 141603.26   | 62737.87         | 101981.45        | 170751.83       | 63342.07   | 9376.24        | 35491.98        | 31793.02       | -  | -  |
| 34   | Wardha               | 25                               | 2113  | 250.96           | 114.98           | 12              | 1491   | 4              | 0.1             | 0              | -  | -  |
| 35   | Washim               | 2                                | 79  | 0                | 7.3              | 0               | 1  | 3              | 7.8             | 0              | -  | -  |
| 36   | Yavatmal             | 24                               | 289.24  | 19.87            | 388.9            | 1.44            | 13   | 3              | 0.37            | 0              | -  | -  |
|      | <b>Total</b>         | <b>6353</b>                      | <b>725442.9</b>                                       | <b>353286.71</b> | <b>1091514.0</b> | <b>276429.2</b> | <b>294238.37</b>   | <b>51198.4</b> | <b>108548.3</b> | <b>45147.5</b> | -  | -  |

**Table 17(b): Maharashtra- 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      | Quantity sent (MT) |
|        |   |  | 12                     |  | 13                 |
| 1      | For disposal at common secured landfill                 | ---  | 0                      | ---                                    | 0                  |
| 2      | For disposal at common Incinerator                      | Goa  | 2624.92                | ---                                    | 0                  |
| 3      | For recycling by Schedule IV recyclers                  | ---  | 0                      | ---                                    | 0                  |
| 4      | For utilization in co-processing (cement plants)        | ---  | 0                      | ---                                    | 0                  |
| 5      | For utilization under Rule 9 (other than co-processing) | ---  | 0                      | ---                                    | 0                  |

**Table 17(c): Maharashtra-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 Kiln | Under Rule 9 other than co-processing | Captive Utilization(other than column 19 & 20) |  | Co-processing in Cement Kiln | Under Rule 9 other than co-processing | Captive Utilization(other than column 19 & 20) |
|       |                      |  |                              |                                       |  |  |                              |                                       |  |
| 1     | Ahmednagar           | 2698   | -                            | -                                     | -  | -  | -                            | -                                     | -  |
| 2     | Akola                | 0.2  | -                            | -                                     | -  | -  | -                            | -                                     | -  |
| 3     | Amravati             | 0.02   | -                            | -                                     | -  | -  | -                            | -                                     | -  |
| 4     | Aurangabad           | 214308.18  | -                            | -                                     | -  | -  | -                            | -                                     | -  |
| 5     | Beed                 | 1.2  | -                            | -                                     | -  | -  | -                            | -                                     | -  |
| 6     | Bhandara             | 0  | -                            | -                                     | -  | -  | -                            | -                                     | -  |
| 7     | Buldhana             | 1.5  | -                            | -                                     | -  | -  | -                            | -                                     | -  |

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| 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) | Co-processing in Cement Kiln | Under Rule 9 other than co-processing | Captive Utilization(other than column 19 & 20) |
|       |                      |  | Co-processing in Cement Kiln | Under Rule 9 other than co-processing | Captive Utilization(other than column 19 & 20) |  |                              |                                       |  |
|       |                      | 14   | 15                           | 18                                    | 17   | 18   | 19                           | 20                                    | 21   |
| 8     | Chandrapur           | 10.1   | -                            | -                                     | -  | -  | -                            | -                                     | -  |
| 9     | Dhule                | 101.1  | -                            | -                                     | -  | -  | -                            | -                                     | -  |
| 10    | Gadchiroli           | 10.5   | -                            | -                                     | -  | -  | -                            | -                                     | -  |
| 11    | Gondia               | 10   | -                            | -                                     | -  | -  | -                            | -                                     | -  |
| 12    | Hingoli              | 1.5  | -                            | -                                     | -  | -  | -                            | -                                     | -  |
| 13    | Jalgaon              | 350.1  | -                            | -                                     | -  | -  | -                            | -                                     | -  |
| 14    | Jalna                | 9.8  | -                            | -                                     | -  | -  | -                            | -                                     | -  |
| 15    | Kolhapur             | 3410.1   | -                            | -                                     | -  | -  | -                            | -                                     | -  |
| 16    | Latur                | 0.86   | -                            | -                                     | -  | -  | -                            | -                                     | -  |
| 17    | Mumbai City          | 1744.56  | -                            | -                                     | -  | -  | -                            | -                                     | -  |
| 18    | Mumbai Suburban      |  |                              |                                       |  |  |                              |                                       |  |
| 19    | Nagpur               | 237.56   | -                            | -                                     | -  | -  | -                            | -                                     | -  |
| 20    | Nanded               | 1.2  | -                            | -                                     | -  | -  | -                            | -                                     | -  |
| 21    | Nandurbar            | 27.5   | -                            | -                                     | -  | -  | -                            | -                                     | -  |
| 22    | Nashik               | 25.13  | -                            | -                                     | -  | -  | -                            | -                                     | -  |
| 23    | Osmanabad            | 1.47   | -                            | -                                     | -  | -  | -                            | -                                     | -  |
| 24    | Palghar              | 29342.43   | -                            | -                                     | -  | -  | -                            | -                                     | -  |
| 25    | Parbhani             | 8.5  | -                            | -                                     | -  | -  | -                            | -                                     | -  |
| 26    | Pune                 | 10670.1  | -                            | -                                     | -  | -  | -                            | -                                     | -  |
| 27    | Raigad               | 2902.38  | -                            | -                                     | -  | -  | -                            | -                                     | -  |
| 28    | Ratnagiri            | 1.12   | -                            | -                                     | -  | -  | -                            | -                                     | -  |
| 29    | Sangli               | 0.9  | -                            | -                                     | -  | -  | -                            | -                                     | -  |
| 30    | Satara               | 34.76  | -                            | -                                     | -  | -  | -                            | -                                     | -  |
| 31    | Sindhudurg           | 2  | -                            | -                                     | -  | -  | -                            | -                                     | -  |
| 32    | Solapur              | 13.31  | -                            | -                                     | -  | -  | -                            | -                                     | -  |

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| 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 Kiln | Under Rule 9 other than co-processing | Captive Utilization(other than column 19 & 20) |  | Co-processing in Cement Kiln | Under Rule 9 other than co-processing | Captive Utilization(other than column 19 & 20) |
| 14    | 15                   | 18   | 17                           | 18                                    | 19   | 20   | 21                           |                                       |  |
| 33    | Thane                | 35491.98   | -                            | -                                     | -  | -  | -                            | -                                     |  |
| 34    | Wardha               | 0.1  | -                            | -                                     | -  | -  | -                            | -                                     |  |
| 35    | Washim               | 78   | -                            | -                                     | -  | -  | -                            | -                                     |  |
| 36    | Yavatmal             | 0.37   | -                            | -                                     | -  | -  | -                            | -                                     |  |
|       | <b>Total</b>         | <b>301496.53</b>   | -                            | -                                     | -  | -  | -                            | -                                     |  |

**Table 17(d): Maharashtra-Details on Hazardous Waste Disposed**

| S.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 Secured Landfill (MT)                 |         | Quantity Disposed through Incinerator (MT) |         |
|       |                      | Common  | Captive | Common                                     | Captive | Common   | Captive | Common                                     | Captive |
|       |                      | 22  | 23      | 24   | 25      | 26   | 27      | 28   | 29      |
| 1     | Ahmednagar           | 2895.29   |         | 0.8  |         |  |         |  |         |
| 2     | Akola                | 103   |         | 306  |         |  |         |  |         |
| 3     | Amravati             | 761   |         | 27   |         |  |         |  |         |
| 4     | Aurangabad           | 19916.9   |         | 471.1                                      |         |  |         |  |         |
| 5     | Beed                 | 0   |         | 0.42                                       |         |  |         |  |         |
| 6     | Bhandara             | 1575  |         | 80   |         |  |         |  |         |
| 7     | Buldhana             | 25  |         | 41   |         |  |         |  |         |
| 8     | Chandrapur           | 467   | -       | 245  | -       | -  | -       | -  | -       |
| 9     | Dhule                | 356.5   | -       | 2.87                                       | -       | -  | -       | -  | -       |
| 10    | Gadchiroli           | 0   | -       | 0  | -       | -  | -       | -  | -       |
| 11    | Gondia               | 0   | -       | 2  | -       | -  | -       | -  | -       |
| 12    | Hingoli              | 0   | -       | 19.42                                      | -       | -  | -       | -  | -       |
| 13    | Jalgaon              | 311.58  | -       | 10.26                                      | -       | -  | -       | -  | -       |
| 14    | Jalna                | 34.45   | -       | 0.22                                       | -       | -  | -       | -  | -       |
| 15    | Kolhapur             | 17181.84  | -       | 3191.69                                    | -       | -  | -       | -  | -       |
| 16    | Latur                | 665.14  | -       | 69.58                                      | -       | -  | -       | -  | -       |
| 17    | Mumbai City          | 4303.62   | -       | 1615.1                                     | -       | -  | -       | -  | -       |
| 18    | Mumbai Suburban      |   | -       |  | -       | -  | -       | -  | -       |
| 19    | Nagpur               | 18533   | -       | 1780                                       | -       | -  | -       | -  | -       |
| 20    | Nanded               | 116.65  | -       | 248.97                                     | -       | -  | -       | -  | -       |
| 21    | Nandurbar            | 3.48  | -       | 1.51                                       | -       | -  | -       | -  | -       |
| 22    | Nashik               | 8099.86   | -       | 5.42                                       | -       | -  | -       | -  | -       |
| 23    | Osmanabad            | 33.48   | -       | 131.58                                     | -       | -  | -       | -  | -       |
| 24    | Palghar              | 46679.63  | -       | 5324.46                                    | -       | -  | -       | -  | -       |
| 25    | Parbhani             | 0   | -       | 36.75                                      | -       | -  | -       | -  | -       |
| 26    | Pune                 | 32873.28  | -       | 11427.62                                   | -       | -  | -       | -  | -       |
| 27    | Raigad               | 65019.47  | -       | 7545.89                                    | -       | -  | -       | -  | -       |
|       |                      |   |         |  |         |  |         | 2624.92                                    |         |

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| S.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 Secured Landfill (MT)                 |          | Quantity Disposed through Incinerator (MT) |         |
|       |                      | Common  | Captive  | Common                                     | Captive      | Common   | Captive  | Common                                     | Captive |
|       |                      | 22  | 23       | 24   | 25           | 26   | 27       | 28   | 29      |
| 28    | Ratnagiri            | 9580.98   | -        | 610  | 449.7        | -  | -        |  | -       |
| 29    | Sangli               | 52.8  | -        | 1686.76                                    | -            | -  | -        |  | -       |
| 30    | Satara               | 1556.17   | -        | 891.42                                     | -            | -  | -        |  | -       |
| 31    | Sindhudurg           | 0   | -        | 0  | -            | -  | -        |  | -       |
| 32    | Solapur              | 1146.18   | -        | 6039.32                                    | -            | -  | -        |  | -       |
| 33    | Thane                | 65342.07  | -        | 9376.24                                    | -            | -  | -        |  | -       |
| 34    | Wardha               | 1491  | -        | 4  | -            | -  | -        |  | -       |
| 35    | Washim               | 1   | -        | 3  | -            | -  | -        |  | -       |
| 36    | Yavatmal             | 13  | -        | 3  | -            | -  | -        |  | -       |
|       | <b>Total</b>         | <b>299138.37</b>  | <b>0</b> | <b>51198.4</b>                             | <b>449.7</b> | <b>0</b>   | <b>0</b> | <b>2624.92</b>                             |         |



**Table 17(e): Maharashtra-Details on Hazardous Waste Stored at Occupier Premises**

| S.No. | Name of the District | Total Quantity of HW stored at Occupier premises at the beginning of the financial year i.e. 01.04.2017 (MT) |             |            |            | Total Quantity of HW stored at Occupier premises during the financial year i.e. 1st April to 31st March 2018 (MT) |             |            |            |
|-------|----------------------|--|-------------|------------|------------|---|-------------|------------|------------|
|       |                      | Landfillable   | Incinerable | Recyclable | Utilizable | Landfillable  | Incinerable | Recyclable | Utilizable |
|       |                      | 30   | 31          | 32         | 33         | 34  | 35          | 36         | 37         |
| 1     | Ahmednagar           | -  | -           | -          | -          | 79.488  |             |            |            |
| 2     | Akola                | -  | -           | -          | -          | 0.5   |             |            |            |
| 3     | Amravati             | -  | -           | -          | -          | 0.9   |             |            |            |
| 4     | Aurangabad           | -  | -           | -          | -          | 80.025  |             |            |            |
| 5     | Beed                 | -  | -           | -          | -          | 0   |             |            |            |
| 6     | Bhandara             | -  | -           | -          | -          | 0   |             |            |            |
| 7     | Buldhana             | -  | -           | -          | -          | 0   |             |            |            |
| 8     | Chandrapur           | -  | -           | -          | -          | 366.317   |             |            |            |
| 9     | Dhule                | -  | -           | -          | -          | 1.8   |             |            |            |
| 10    | Gadchiroli           | -  | -           | -          | -          | 1.89  |             |            |            |
| 11    | Gondia               | -  | -           | -          | -          | 0   |             |            |            |
| 12    | Hingoli              | -  | -           | -          | -          | 0   |             |            |            |
| 13    | Jalgaon              | -  | -           | -          | -          | 111.448   |             |            |            |
| 14    | Jalna                | -  | -           | -          | -          | 0   |             |            |            |
| 15    | Kolhapur             | -  | -           | -          | -          | 689.297   |             |            |            |
| 16    | Latur                | -  | -           | -          | -          | 0.85  |             |            |            |
| 17    | Mumbai City          | -  | -           | -          | -          | 411.846   |             |            |            |
| 18    | Mumbai Suburban      | -  | -           | -          | -          | 0   |             |            |            |
| 19    | Nagpur               | -  | -           | -          | -          | 110.869   |             |            |            |
| 20    | Nanded               | -  | -           | -          | -          | 0   |             |            |            |
| 21    | Nandurbar            | -  | -           | -          | -          | 0   |             |            |            |
| 22    | Nashik               | -  | -           | -          | -          | 36.729  |             |            |            |
| 23    | Osmanabad            | -  | -           | -          | -          | 3.513   |             |            |            |
| 24    | Palghar              | -  | -           | -          | -          | 5372.135  |             |            |            |
| 25    | Parbhani             | -  | -           | -          | -          | 0   |             |            |            |
| 26    | Pune                 | -  | -           | -          | -          | 3937.6  |             |            |            |
| 27    | Raigad               | -  | -           | -          | -          | 725   |             |            |            |
| 28    | Ratnagiri            | -  | -           | -          | -          | 144.015   |             |            |            |
| 29    | Sangli               | -  | -           | -          | -          | 1.705   |             |            |            |

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|    |              |   |   |   |   |                  |
|----|--------------|---|---|---|---|------------------|
| 30 | Satara       | - | - | - | - | 3537.45          |
| 31 | Sindhudurg   | - | - | - | - | 0                |
| 32 | Solapur      | - | - | - | - | 1.51             |
| 33 | Thane        | - | - | - | - | 378.251          |
| 34 | Wardha       | - | - | - | - | 0                |
| 35 | Washim       | - | - | - | - | 0                |
| 36 | Yavatmal     | - | - | - | - | 0                |
|    | <b>Total</b> | - | - | - | - | <b>15993.138</b> |

**Table 17(f): Maharashtra-Details on Recycling / Utilization/Co-Processing of Hazardous Waste**

| S.No.    | Type of Recycling Facilities   | No of Facilities authorized for recycling / utilization / Co-processing of HW | Total Authorized Capacity (MTA) | Quantity Recycled/ Utilized/ Co-processed (MT) during the year |
|----------|--|---|---------------------------------|--|
| <b>A</b> | <b>Commonly Recyclable HW</b>  |   |                                 |  |
| 1        | Brass Dross  | 47  | 63055                           | 6751.02  |
| 2        | Zinc Bearing Wastes  | 65  | 90555                           |  |
| 3        | Copper Bearing Waste   | 70  | 83053                           |  |
| 4        | Spent catalyst containing nickel, cadmium, Zinc, copper, arsenic, vanadium and cobalt  | 24  | 30540                           | 3135.034   |
| 5        | Lead bearing waste including battery waste   | 89  | 344432                          | 31123.148  |
| 6        | E-Waste  | 68  | 71660                           |  |
| 7        | Paint and ink Sludge/residues  | 5   | 24550                           |  |
| 8        | Used oil   | 75  | 209179                          | 21090.11   |
| 9        | Waste Oil  |   | 266610                          | 7240.523   |
|          | <b>Total</b>   | <b>443</b>  | <b>1183634</b>                  | <b>69339.835</b>   |
| <b>B</b> | <b>Utilization of HW under Rule 9</b>  |   |                                 |  |
| 1        | Recovery of solvents from spent solvents   | 7   | 27000                           | 1045.398   |
|          | De-contamination of contaminated drums/containers/ barrels   | 4   | 2813.6                          | 2065.98  |
|          | Utilization of Aluminium Dross generated from refining and casting house of Aluminium smelter units to recover Aluminium Metal | 7   | 17320                           | -  |
|          | Used Food grade HNP/ Rolling oil   | 1   | 1000                            | 10   |

| S.No.    | Type of Recycling Facilities          | No of Facilities authorized for recycling / utilization / Co-processing of HW | Total Authorized Capacity (MTA) | Quantity Recycled/ Utilized/ Co-processed (MT) during the year |
|----------|---------------------------------------|---|---------------------------------|--|
|          | PVC Waste Sealer                      | 1   | 300                             |  |
|          | Tyre Scrap                            | 1   | 32000                           |  |
|          | <b>Total</b>                          | <b>21</b>   | <b>80433.6</b>                  | <b>3121.378</b>  |
| <b>C</b> | <b>Co-processing in Cement Plants</b> | -   | -                               | -  |

Table17(g): Maharashtra-List of Authorized Recyclers/ Utilizers/Co-processors of Hazardous Waste

| 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) |
|------|---|--|---|--|
| 1    | M/s. Bharti Rubber Lining and Allied Service P. Ltd.<br>Plot No. C-49, TTC Indl. Area Pawane Village, Navi Mumbai | Copper Druid Copper Dross Copper Residues<br>Copper Oxide Mill Scale Brass Dross Zinc Ash<br>Brass Scrap Copper Scrap and Zinc Dross                               | 10000   |  |
| 2    | M/s. Accent Metals Pvt. Ltd.<br>Plot No. C-46, TTC Industrial Area, MIDC Pawane,<br>Navi Mumbai - 400 708         | Copper Druid Copper Dross and Brass Dross  | 4900  |  |
| 3    | M/s Nizalco Metals P. Ltd.<br>Plot No.C-353, TTC Industrial Area, MIDC Turbe,<br>Navi Mumbai                      | Copper Druid Copper Dross Brass Dross &<br>Zinc Scrap  | 3600  |  |
| 4    | M/s. R. K. Manufacturing Company<br>Plot No. A-395, TTC MIDC, Mahape, Navi<br>Mumbai-400710                       | Brass scrap, Dross and ash, Zinc scrap, Dross,<br>cake, residue and ash, Copper, cake, copper<br>Oxide mill scale, Copper Cables, Druid and<br>relay cables.       | 2700  |  |
| 5    | M/s. Maurya Metal Pvt. Ltd.<br>Plot No. A-762, TTC Industrial Area MIDC, Khairane,<br>Navi Mumbai - 400 709       | Brass Scrap, Scrap Brass, Dross Copper Scrap,<br>Copper Dross, Copper Residues, Copper Druid,<br>Zinc Scrap, Zinc Dross, Zinc Ash & Skimmings<br>and Zinc Residues | 4800  |  |

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| 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) |
|------|---|--|---|--|
| 6    | M/s. B. R. Steel Products Pvt.Ltd.<br>Plot No.C-39(B&C) Near Krishna Steels, Pawane Village TTC Industrial Area, Mhape, Turbhe, Navi Mumbai-400 705 | Copper residue Cakes Copper dross Brass dross Zinc dross Zinc skimming Zinc ash and spent catalyst containing Nickel   | 1300  |  |
| 7    | M/s. Sigma Chemical Industries<br>Plot No. H-6, MIDC Taloja, Tal-Panvel, Dist.- Raigad  | Zinc Ash & Zinc Waste  | 500   |  |
| 8    | M/s. Aryavart Chemicals Pvt. Ltd.<br>Plot No.G-14/3, MIDC Taloja, Tal-Panvel, Dist-Raigad   | Spent Nickel Catalyst  | 300   |  |
|      |   | Copper Reverts & Cakes   | 100   |  |
| 9    | M/s. Sunshine Laboratories (I) Pvt. Ltd.<br>Plot No. D-63, MIDC, TTC, Turbhe, Navi Mumbai   | Copper Scrap, Brass Scrap, Zinc Scrap and Copper Druid<br>Brass, Copper & Zinc (Dross, druid, Slag, Scrap, ash, residue)<br>Dross, Slag, Scrap, Ash, Residue and Druid of Copper, Brass & Zinc | 10000   |  |
| 10   | M/s. Reliable Metal Refinery<br>W-185, TTC, MIDC, Pawane Village, Thane-Belapur Road, Navi Mumbai-400705  | Brass Scrap & Dross, Zinc Scrap, Dross, Ash, Residue and Skimming and Copper Scrap, Dross, Residue & Druid   | 1800  |  |
| 11   | M/s. Tean Eleven Metchem Technology Pvt. Ltd.<br>Shed no. W- 73(11), MIDC area, Taloja, Tal. Panvel, Dist. Raigad                                   | Copper Scrap   | 900   |  |
|      |   | Zinc Ash   | 300   |  |
|      |   | Spent Ni Catalyst  | 1350  |  |
| 12   | M/s. Rohini Metal Alloys<br>B-56, Kagal Hatkangale Industrial Area Kolhapur, Maharashtra  | Copper Scrap   | 100   |  |
| 13   | M/s. Astron Engineers (I) Pvt. Ltd.<br>GAT No. 131, Near Lavale Phata, Tal. Mulshi, Dist. Pune  | Copper Scrap, Brass Scrap, Zinc Scrap and Copper Druid   | 4500  |  |
| 14   | M/s. Hamirani Metals P. Ltd.  | Copper Druid   | 3000  |  |

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| 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) |
|------|---|--|---|--|
|      | 10/3/4, Village Kiwale, New Mumbai Bangalore Highway, Kiwale -412 101   | Copper Scrap Zinc Scrap & Brass Scrap  | 2160  |  |
| 15   | M/s. Monika Metal Corporation<br>S. No. 79, Plot No. B, Opp. Bhairav Nath Temple, Kudulwadi, Chikali, Pune - 412 114    | Copper Dross Copper Druid Copper Residues<br>Copper reverts Copper Cakes Zinc Skimmings<br>Brass Scrap & Brass Dross | 2400  |  |
| 16   | M/s. HSR Enterprises<br>GAT No. 799, Pawar Vasti, Vishnu Nagar, Near Kohinoor Weigh Bridge, Chikali, Dist. Pune- 412114 | Copper Scrap, Copper Druid, Jelly filed Copper cables and Brass Scrap  | 1000  |  |
| 17   | M/s. Bharat Industries<br>Plot No. 46, Phase-II Ramtekadi Industrial Estate, Hadapsar, Pune-411013                      | Brass Scrap & Copper Scrap   | 500   |  |
| 18   | M/s. Variety Metals Pvt. Ltd.<br>Plot No. 21/22, Block D-1, MIDC, Chinchwad, Pune - 411 019                             | Brass Scrap, Copper Scrap, Waste Copper, Copper alloys & Zinc Scrap  | 980   |  |
| 19   | M/s. Kushal Metal Pvt. Ltd.<br>Gat No. 245,246,247, 249 /2, Plot No. 5,6, Kharbwadi, Chakan, Pune- 410501               | Waste Copper, copper scrap, dross, copper cables, Zinc scrap, brass scrap, druids                                    | 2400  |  |
| 20   | M/s. Laxmi Foundry<br>S. No. 10, H.No:2/1, 2/2, Kharadi, Tal. Haveli, Pune  | Copper Scrap Waste   | 360   |  |
| 21   | M/s. Trimurti Chemicals<br>Plot no: A-37, MIDC Tembhurni Tal: Madha Dist: Solapur                                       | Zinc Ash, Copper Ash, Brass Ash and Spent Nickel Catalyst  | 720   |  |

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| 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) |
|------|--|---|---|--|
| 22   | M/s. Makaney Metals<br>G. No. 1259 Sanaswadi Tal. Shirur, Dist. Pune   | Copper alloy, Bronze alloy, copper cables, copper dross, aluminium alloy, tin alloy, tin dross, tin scrap   | 5000  |  |
| 23   | M/s. High-Tech Recycling Pvt. Ltd.<br>Gut No. 42, Plot No. 657, A/p. Bhukum, Tal. Mulshi, Dist. Pune                 | Copper David, Copper Wire   | 650   | 32.8   |
| 24   | M/s. Pranam Enterprises,<br>S. No. 286/1/6, Next to Bodhe Warehouse, Village Vavli, Devachi, Tal. Haveli, Dist. Pune | Insulated Copper Wire, Jelly filled copper cable  | 2100  |  |
| 25   | M/s. Gold Star Alloys,<br>Plot No. 276, Sec-7, PCNTDA, Bhosari, Dist. Pune 411026                                    | Zinc Dross, Scrap<br>Aluminium Dross, Scrap   | 2400<br>1200  |  |
| 26   | M/s. Surchem Chemicals Pvt. Ltd.<br>Plot No: F-12/3, MIDC, Tarapur, Boisar, Dist: Thane-401506                       | a) Copper waste containing cable, spent catalyst, dross, cake, mill scale, residue, reverts, ETP Sludge.<br>b) Zinc Waste containing spent catalyst dross.<br>c) Cobalt Waste containing spent catalyst, PTA Catalyst, Scrap, ash & ETP Sludge.<br>d) Molybdenum waste containing spent catalyst, scrap, residue, ash & ETP Sludge<br>e) Nickel Waste Containing spent catalyst, residue, sludge, spent Raney Nickel & ETP Sludge | 5000  |  |
| 27   | M/s. J.K. Corporation<br>Gali No. 9 & 10, Walia Indl. Area, Village Sativali, Vasai(E), Dist. Thane-401 208          | Zinc Ash Zinc Residues & Zinc Scrap   | 2700  |  |
| 28   | M/s. Metal Care Alloys Pvt. Ltd.<br>Plot No. 36, 37, Angaon Industrial Area, Tal. Talasari, Dist. Palghar            | Scrap, Dross and Skimming of Brass Copper, Zinc and copper Drid Copper Oxide mill scale copper everst, copper cokes and residue   | 10800   |  |

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| 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) |
|------|--|---|---|--|
| 29   | M/s. Arihant Chemical Company<br>Plot No. S-29, MIDC Tarapur, Tal. & Dist. Palghar   | Zinc dust / Dross, Zinc Ash, Zinc hydroxide, zinc Tin Waste, Zinc Scrap, Copper Scrap / Dross / Oxide, Epoxy powder containing copper, Spent Catalyst containing copper, ETP Sludge (Metal Hydroxide Sludge) Mill Scale, Nickel Scrap, Spent Catalyst containing Nickel | 3730  |  |
| 30   | M/s. Dharmit Recycling Industries Ltd.<br>Plot No. G-4, MIDC Tarapur, Tal. & Dist. Palghar   | Non Ferrous   | 3600  |  |
| 31   | M/s. Vijay Chem Industries<br>Survey No. 150 A/2, Saparonde Village, Kondala Road, Dist. Thane   | Zinc Ash  | 1250  |  |
| 32   | M/s. Rajkob Industries<br>Plot No. N-41, MIDC Tarapur, Boisar, Dist. Thane - 401 506   | Copper Scrap Copper Dross Spent Catalyst containing Copper Copper Oxide Mill Scale Nickel Scrap Spent Catalyst Containing Nickel Zinc Dross and Zinc Scrap  | 720   |  |
| 33   | M/s. Vineeth Chemicals<br>Unit No. I, Agarwal Industrial Estate No. 3, Sativali Road, Vasai(E), Dist. Thane  | Spent Nickel Catalyst & Nickel Scrap  | 250   |  |
| 34   | M/s. Vineeth Precious Catalyst (P) Ltd.<br>9 & 10, Estate No. 3, 15 to 18 Building No. 8, Agarwal Udyog Nagar, Sativali Road, Vasai(E), Dist. Thane-401208 | Spent Nickel Catalyst & Nickel Scrap  | 250   |  |
|      |  | Copper Scrap and Zinc Scrap   | 150   |  |
| 35   | M/s. R.T.Jain & Co.<br>Plot No.F-1/19, MIDC Tarapur, Boisar , District Thane   | Brass scrap, Copper scrap, Copper Slag, Zinc Ash, zinc skimmings  | 100   |  |
| 36   | M/s. A.I.C. Chemical Private Ltd.<br>Mohan Mill Compound<br>Kolshet Road, Thane(West)  | Brass scrap, copper scrap, copper slag, zinc ash, zinc skimmings  | 3000  |  |

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| 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) |
|------|---|---|---|--|
| 37   | M/s. Mardia Tubes Ltd.<br>Plot No. J-56, MIDC, Tarapur,<br>Tal. Palghar, Dist. Thane              | Copper Scrap, Brass Scrap, Zinc Scrap,<br>Copper Dross, Brass Dross, Zinc Dross, Zinc<br>Ash & Skimming       | 2900  |  |
| 38   | M/s. Salema Chemicals Pvt. Ltd.<br>Plot No: T-10, MIDC Tarapur, Dist: Thane                       | Zinc Waste/Scrap/Zinc Dross   | 720   |  |
| 39   | M/s. Karan Metals<br>Plot No: S-6, MIDC<br>Tarapur, Dist:Thane                                    | Zinc ash skimming, Zinc Dross, Zinc Scrap,<br>Copper dross, Copper Mill Scale, Brass Dross<br>and Brass scrap | 3000  |  |
| 40   | M/s. Indian Metal and Chemicals Corporation Plot<br>no: T-5, MIDC Tarapur Boisar, Dist: Thane     | Zinc Dross and zinc ash   | 480   | 307.01   |
| 41   | M/s. Balaji Chemicals<br>Plot no: W-159, MIDC Tarapur , Dist : Thane                              | Zinc Ash, Copper Ash, Brass Ash and Spent<br>Nickel Catalyst  | 720   |  |
| 42   | M/s. C. S. Trading,<br>Plot No. 188, MIDC, Tarapur, Tal. Palghar, Dist.<br>Thane                  | Scrap Nickel  | 50  |  |
| 43   | M/s. Pooja Chemicals<br>Plot No. N-176, MIDC, Tarapur, Tal. & Dist. Palghar                       | Zinc Scrap, Copper Scrap  | 2100  |  |
| 44   | M/s. Metallica Industries,<br>Unit No. 1, Gala No. 17, 18, 19, 25, S. I. E. Vill. Vasai,<br>Thane | Copper, Brass, Zinc Scrap, Copper and Brass<br>dross  | 2220  |  |
| 45   | M/s. Uttam Chemicals<br>Plot No. T-87, MIDC Tarapur, Tal. Palghar, Dist.<br>Thane                 | Spent Catalyst, Containing, Nickel, Zinc, Copper,<br>Dross & Zinc Dross                                       | 160   |  |



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| 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) |
|------|--|---|---|--|
| 46   | M/s. Indian Scrap Traders<br>Sr. No. 11, Hissa No. 3/A, Ghushiya Market, Vill. Pimpri, Dahisar Mori, Tal. & Dist. Thane  | Zinc Scrap & Zinc Ash, Brass Scrap, Copper Scrap, Copper Druid, Copper Cables, Copper Dross, Copper Reverts | 170   |  |
| 47   | M/s. KVB Processors Pvt. Ltd.<br>Plot No. 24/25, S. No. 441/2, 4, 64, Vill. Mahim, Tal. & Dist. Palghar  | Zinc Dross, Zinc Scrap, Zinc Skimming   | 16440   |  |
| 48   | M/s. Umicore India Pvt. Ltd.<br>Plot No. 150/152, Ayesha Compound, Beside Konark Construction, Chincholi Bhiwandi Road, Ahed of Kaman Village, Vasai E, Thane 401208 | Ceramic / Metallic / Cake catalyst waste (Part of Catalytic Convertors)                                     | 15  |  |
| 49   | M/s. Metalloy Linkers,<br>Gut No. 92p/2, 93p/2, Village Kudus, Tal. Wada, Dist. Palghar  | Copper, Brass, Zinc & Aluminium   | 1000  |  |
| 50   | M/s. Kothari Enterprises<br>Mujbi, P.O. Bela, Tah. Dist. Bhandara  | Zinc Ash Zinc Dross Zinc Scrap and Zinc Skimmings   | 1600  |  |
| 51   | M/s. Dhatu Nigam<br>Village Tekadi, Jabalpur Road, P.O. Kanhan 441401 Nagpur   | Zinc Scrap & Zinc Ash   | 192   |  |
| 52   | M/s. Gaurav Industries<br>U-152, MIDC Estate,<br>Hingna Road, Nagpur-440016, Maharashtra   | Zinc Ash  | 540   |  |
| 53   | M/s. Vidarbha Nicel Pvt. Ltd.<br>C-33, MIDC Hingna, Nagpur-440028  | Spent Nickel Catalyst   | 1020  |  |
| 54   | M/s. Shree Metals (Mujbi) Private Limited<br>Plot No.312/2, At. Mujbi P.Bela, Tah./Dist. Bhandara-441 904  | Zinc Dross Zinc Ash & Zinc Residues   | 4795  | 3526.167                                       |
|      |  | Brass Dross   | 560   |  |
|      |  | Copper Scrap  | 720   | 2383.773                                       |

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| 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) |
|------|--|--|---|--|
| 55   | M/s. Govind Metal Industries<br>Khasra No.60/1, Station Road, Bhandara   | Brass Dross, Copper Dross, Zinc Dross and Zinc Ash   | 876   | 36.101   |
| 56   | M/s. Rishabh Meta Process<br>Gut No.27/1, Village: Jamni (Dhaba),<br>Station Road, Tal. + Dist. Bhandara-441904          | Zinc Ash, Zinc Dross, Copper Dross, Brass Draoss, Copper Oxide Mill Scale, Waste Copper  | 10000   |  |
| 57   | M/s. Shakti Industries<br>B-44, MIDC, Kalmwshwar, Dist. Nagpur -441501   | Spent Nickel Catalyst  | 1000  |  |
| 58   | M/s. Nagraj Alloys Pvt. Ltd.<br>Survey no: 41, P.H. No: 20, Village: Asoli, Mouza, Mahalgaon, Tal: Kamptee, Dist: Nagpur | Copper Scrap/ jelly filled copper cables   | 600   |  |
|      |  | Brass Dross Scrap  |   |  |
| 59   | M/s. Ganaraj Alloys Pvt. Ltd.<br>C-4, MIDC, Kalmeshwar, Nagpur   | Spent Nickel Catalyst and Spent Molybdenum Catalyst  | 720   |  |
| 60   | M/s. Shree Ram Metals<br>Plot No: 28, Survey No: 04, Kapsi Kurdh, Tal: Kamptee, Dist: Nagpur                             | Copper Scrap   | 600   |  |
|      |  | Brass Scrap  | 600   |  |
| 61   | M/s. Rohini Metal Industries,<br>S. No. 71/2, P. H. 53, Vill. Sawdi, Tal. Kuhi, Dist. Nagpur                             | Scrap & Copper cable, Copper Dross, Jelly filled copper cable, copper dride, residue & Coke<br>Copper alloys   | 6000  |  |
|      |  | Braas sacrp Dross  | 3300  |  |
|      |  | Zinc Dross   | 1500  |  |
| 62   | M/s. ABN Metal Industry<br>Plot No. C-103, MIDC Butibori, Dist. Nagpur   | Copper catalyst & Residue, Nickel Catalyst & Residue, Molybdenum Catalyst & Residue, Cobalt Catalyst & Residue, Tungsten Catalyst & Waste, Precious Metal Catalyst & Zinc Catalyst | 1450  |  |

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| 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) |
|------|---|--|---|--|
| 63   | M/s. Shri Krishna Udgoy,<br>Sr. No. 68/1, Moja Ganeshpur, Takiya Ward,<br>Bhandara                                  | Brass Dross, Copper Dross, Copper Oxide Mill Scale Copper Reverts, Cake & Copper Alloys in dispersible Form, slag from Copper Processing Insulated Copper Wire | 12000   |  |
| 64   | M/s. Metal Press India<br>146 BCD, Industrial Estate, Charkop Kandivli (W),<br>Mumbai – 400 067                     | Copper Scrap. Brass Scrap & Zinc Scrap   | 450   |  |
| 65   | M/s. Arjandas Metals Industries Pvt. Ltd.<br>Saki Vihar Road, Arjandas House,<br>Sakinaka , Mumbai - 400 072        | Brass Scrap Brass Dross Copper Scrap and Copper Dross  | 8100  |  |
| 66   | M/s. Shri Hari Extrusion Ltd.<br>Ashok Nagar, A.C. Road,<br>Near Bank of Baroda, Kandivali (East),<br>Mumbai        | Brass Dross Copper Dross Zinc Dross and Copper Cable i.e. Dried Copper Residues Zinc Scrap and Zinc Ash & Skimming   | 9000  |  |
| 67   | M/s. Bharat Moulding Works,<br>3/7, Ram Mandir, Industrial Estate, Ram Mandir<br>Road, Goregaon East, Mumbai 400063 | Copper Scrap   | 190   |  |
| 68   | M/s. S. P. Chemicals<br>Gate No. 84, Vikram Road, Erundal 425- 109,<br>Dist. Jalgaon, Maharashtra                   | Spent Nickel Catalyst and Nickel Scrap   | 600   |  |
| 69   | M/s. Aditya Industries<br>474, Naigaon Road, At Shinde Village, Nashik-<br>422002, Maharashtra                      | Copper Scrap Zinc Ash & Zinc Dross   | 1000  |  |

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| 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) |
|------|---|---|---|--|
| 70   | M/s. Suhans Chemicals Pvt. Ltd.<br>D-46/5, 46/4, MIDC Area Jalgaon-425 003  | Spent Catalyst containing Nickel  | 610   |  |
| 71   | M/s. M.S. Malik<br>S. No. 5/1, 2, 3/4, At. Po. Vilholi, Tal. & Dist. Nashik 422010                                      | Zinc Ash, Zinc Dross<br>Copper Ash/Dust   | 2400<br>1200  |  |
| 72   | M/s. Adityas Impex,<br>Plot No. D-101, MIDC Ahmednagar, Tal. & Dist. Ahmednagar   | Copper Dross<br>(Only for separation of copper and PVC by peeling process)  | 360   |  |
| 73   | M/s. Zinco Chem Industries,<br>S. No. 5/1+2+3/3, BH. Power Deal Company, Vilholi, Tal. & Dist. Nashik 422010            | Zinc Ash  | 90  |  |
| 74   | M/s. Raniganj Chemical Works<br>Plot No. A-12, MIDC Chemical Zone, Kalyan Badlapur Road, Ambernath, Dist. Thane -421501 | Zinc Ash & Zinc Scrap   | 140   |  |
| 75   | M/s. Parag Sulpha Chemicals<br>Tech Shed No.-18, Chemical Zone MIDC Ambernath, Dist-Thane, Maharashtra                  | Spent Catalyst containing Copper Scrap, Copper Oxide Mill Scale and Copper Residues   | 160   |  |
| 76   | M/s. Heena Metal Pvt. Ltd.<br>Mumbai Nashik Highway, Wad Village, Khativali, Tal. Shahapur, Dist. Thane                 | Scrap / Dross of Brass Copper, Insulated copper wire with PVC sheeting including ISL Code, Brass Ash / Skimming / Residues / Copper Ash / Skimming / Residues | 1800  |  |
| 77   | M/s. Muby Chemicals<br>W-105, Behind Hamilton Cycles, MIDC Ambernath-421 501, Distt. Thane                              | Zinc Ash Zinc Residues Zinc Dross & Zinc Skimming   | 860   |  |

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|------|--|---|---|--|
| 78   | M/s. Monarch Catalyst Pvt. Ltd.<br>Plot No.A-94 & F-1/2, MIDC Phase-1, Dombivili (E),<br>Distt. Thane-421 203      | Spent Catalyst containing Nickel  | 2000  |  |
| 79   | M/s. Om Balaji Inorgo Metal Pvt.Ltd.W-71/B, MIDC<br>Chikhholi, Ambernath, Dist. Thane-421 505                      | Spent Nickel Catalyst   | 350   | 208.1  |
|      |  | Spent Catalyst containing copper  | 100   | 4.451  |
| 80   | M/s. Kam-Vit Chemicals Pvt. Ltd.Gut No.45-46 & 47<br>Village: Kambre, Wada,<br>Distt. Thane, Tal. Wada -421 303    | Spent Catalyst containing Nickel, Copper,<br>Copper Reverts, Cakes and Residue, Waste<br>Copper and Copper alloys in dispersible forms,<br>spent cleared metal catalyst containing copper       | 2880  |  |
| 81   | M/s. Ashok Chemical IndustryVillage Parivali, Post-<br>Angaon, Wada Road, Tal. Bhiwandi,<br>Dist. Thane            | Zinc Ash  | 1200  |  |
| 82   | M/s. Metal Chem<br>Plot No. F-1/16, MIDC Badlapur, P.O. Kulgaon, Dist.<br>Thane-421 503                            | Spent Catalyst containing Nickel  | 360   |  |
| 83   | M/s. Agni Industries<br>Gut No. 81, 179-P, Village Lakhmapur, Tal. Wada,<br>Dist. Thane                            | Lead / Copper / Residue / Dross / Battery<br>Scrap, All grades & Brass Scrap, Copper Scrap,<br>Zinc Scrap, Aluminium Scrap  | 6000  |  |
| 84   | M/s. Aashumi Chemicals P. Ltd.Gut No. 169B, Village<br>Magathane, Post. Uchat, Mangathane, Dist. Palghar<br>421312 | Copper Dross Copper Oxide Mill Scale Copper<br>Reverts Cakes & Residues Copper Scrap<br>Copper Druid Copper slags Zinc Scrap Brass<br>Dross Brass Scrap and spent Catalyst<br>Containing Copper | 2000  |  |

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|------|--|---|---|--|
| 85   | M/s. VAP Industries,<br>E-7/4, MIDC Tarapur, Boisar  | Zinc Ash  | 1200  |  |
| 86   | M/s. Devang Industry Inc.<br>S. No. 217, Plot No. 12-15, Khupri, Tal. Wada, Dist. Thane                    | Zinc Dross, Zinc ash, Zinc ore, Zinc scull,<br>Zinc residue, Zinc scrap<br>Zinc (Dross, druid, Slag, Scrap, ash, residue)     | 1800  |  |
| 87   | M/s. Shri Hari Extrusion Ltd.<br>Plot No. 63 -70, Gut No. 984(Part), Village Shirgaon, Tal. Palghar, Thane | Scrap, ash, residue, dross of Copper, Brass, and Zinc<br>dross, slag. Scrap ,ash, residue ,dross, of copper, brass , and zinc | 5000  |  |
| 88   | M/s. Green Tech Metal Recyclers Pvt. Ltd.<br>Gat No: 41, Village:<br>Bavali, Tal: Wada, Dist: Thane        | Copper Scrap  | 600   |  |
|      |  | Cobalt Scrap  | 90  |  |
|      |  | Nickel Scrap  | 138   |  |
| 89   | M/s. Grishma Metal Technology<br>Gut No. 107, Vill. Bllavali, Tal. Wada, Dist. Thane                       | Spent catalyst containing molybdenum and cobalt   | 1000  | 253.3  |
| 90   | M/s. Sunalco Alloys Pvt. Ltd.<br>Gut No. 74, 76, 78(pt), Vill. Lakhampur, Tal. Wada, Dist. Thane           | Brass Dross, Copper Dross, Reverts, copper druid and zinc dross, Zinc Ash, Zinc Skimmings, copper cabels (relay)              | 10800   |  |
| 91   | M/s. Shree Laxmi Metal Industries,G. No. 62, 64, Vill. Chindwadli, Wada Shahapur Road, Wada, Dist. Palghar | Scrap / Dross / Milk Scale / Residue of Copper, Copper Oxide, Copper Druid  | 1200  |  |
|      |  | Dross / Scrap of Brass  | 600   |  |
|      |  | Zinc Dross / Zinc Scrap / Ash   | 960   |  |

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|------|---|--|---|--|
| 92   | M/s. Shree Gurudutt Chemicals<br>Gut No. 378, Aurangabad-Pune Road, Tal. Gangapur,<br>Dist. Aurangabad  | Zinc Dross & Zinc Ash Scrap  | 1440  |  |
| 93   | M/s. Mercury Metal Industries<br>Plot No. D- 48, MIDC Mahad, Raigad   | Copper Dross, Scrap, Zinc Ash and Druid of Copper, Brass and Zinc for the capacity   | 450   |  |
| 94   | M/s. Aqsa Stamping,<br>Plot No. 55, Rangara Industrial Estate, 33/35,<br>Kiravali (Adivali), Tal. Panvel, Dist. Raigad                              | Copper Scrap, Copper Druid, Copper Cables, Copper Dross, Copper Reverts, Grinding Dust, Aluminium Scrap, Zinc Scrap & Zinc Ash, Brass Scrap                | 2400  |  |
| 95   | M/s. Beetachem Industries<br>W-177, TTC, Pawana Village, Thane Belapur Road,<br>Navi Mumbai   | Spent Catalyst Containing Copper & Spent Catalyst Containing Nickel  | 60  |  |
| 96   | M/s. B. R. Steel Products Pvt.Ltd.<br>Plot No.C-39(B&C) Near Krishna Steels, Pawane Village TTC Industrial Area, Mhape, Turbhe, Navi Mumbai-400 705 | Copper residue Cakes Copper dross Brass dross Zinc dross Zinc skimming Zinc ash and spent catalyst containing Nickel                                       | 1300  |  |
| 97   | M/s. Aryavart Chemicals Pvt. Ltd.<br>Plot No.G-14/3, MIDC Taloja, Tal-Panvel, Dist-Raigad   | Spent Nickel Catalyst  | 300   |  |
| 98   | M/s. Team Eleven Metchem Technology Pvt. Ltd.<br>Shed no. 73(11), MIDC area, Taloja, Tal. Panvel, Dist. Raigad                                      | Copper Scrap   | 900   |  |
|      |   | Spent Ni Catalyst  | 1350  |  |
| 100  | M/s. Rajkob Industries<br>Plot No. N-41, MIDC Tarapur, Boisar, Dist. Thane - 401 506  | Copper Scrap Copper Dross Spent Catalyst containing Copper Copper Oxide Mill Scale Nickel Scrap Spent Catalyst Containing Nickel Zinc Dross and Zinc Scrap | 720   |  |
| 101  | M/s. Vineeth Chemicals<br>Unit No. I, Agarwal Industrial Estate No. 3, Sativali Road, Vasai(E), Dist. Thane   | Spent Nickel Catalyst & Nickel Scrap   | 250   |  |

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|------|---|---|---|--|
| 102  | M/s. Vineeth Precious Catalyst (P) Ltd.<br>9 & 10, Estate No. 3, 15 to 18 Building No. 8, Agarwal Udyog Nagar, Sativali Road, Vasai(E), Dist. Thane | Spent Catalyst containing Nickel  | 250   |  |
| 103  | M/s. Balaji Chemicals<br>Plot no: W-159, MIDC Tarapur, Dist : Thane   | Zinc Ash, Copper Ash, Brass Ash and Spent Nickel Catalyst                           | 720   |  |
| 104  | M/s. Uttam Chemicals<br>Plot No. T-87, MIDC Tarapur, Tal. Palghar, Dist. Thane  | Spent Catalyst, Containing, Nickel, Zinc, Copper, Dross & Zinc Dross                | 160   |  |
| 105  | M/s. Vidarbha Nicel Pvt. Ltd.<br>C-33, MIDC Hingna, Nagpur-440028   | Spent Nickel Catalyst   | 1020  |  |
| 106  | M/s. Shakti Industries<br>B-44, MIDC, Kalmwshwar, Dist. Nagpur -441501  | Spent Nickel Catalyst   | 1000  |  |
| 107  | M/s. Ganaraj Alloys Pvt. Ltd.<br>C-4, MIDC, Kalmeshwar, Nagpur  | Spent Nickel Catalyst and Spent Molybdenum Catalyst                                 | 720   |  |
| 108  | M/s. S. P. Chemicals<br>Gate No. 84, Vikram Road, Erundal 425-109, Dist. Jalgaon, Maharashtra   | Spent Nickel Catalyst and Nickel Scrap  | 600   |  |
| 109  | M/s. Suhans Chemicals Pvt. Ltd.D-46/5, 46/4, MIDC Area Jalgaon-425 003  | Spent Catalyst containing Nickel  | 610   |  |
| 110  | M/s. Parag Sulpha ChemicalsTech Shed No.-18, Chemical Zone MIDC Ambernath, Dist-Thane, Maharashtra  | Spent Catalyst containing Copper Scrap, Copper Oxide Mill Scale and Copper Residues | 90  |  |
| 111  | M/s. Evonik Catalysts India Pvt. Ltd.F-1/2, MIDC Dombivali Phase-1, Dombivali E, Dist. Thane  | Spent Nickel Catalyst   | 2000  | 1423.64  |
|      |   | Spent precious catalyst B-1120  | 800   | 110.672  |



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|------|--|---|---|--|
| 113  | M/s. Kam-Vit Chemicals Pvt. Ltd. Gut No.45-46 & 47<br>Village: Kambre, Wada,<br>Distt. Thane, Tal. Wada -421 303 | Spent Catalyst containing Nickel, Copper, Copper Reverts, Cakes and Residue, Waste Copper and Copper alloys in dispersible forms, spent cleared metal catalyst containing copper    | 2880  |  |
| 114  | M/s. Metal Chem<br>Plot No. F-1/16, MIDC Badlapur, P.O. Kulgaon, Dist. Thane-421 503                             | Spent Catalyst containing Nickel  | 360   |  |
| 115  | M/s. Aashumi Chemicals P. Ltd.169-B, Village Nangathane, Tal. Wada,<br>Dist. Thane, Maharashtra                  | Copper Dross Copper Oxide Mill Scale Copper Reverts Cakes & Residues Copper Scrap Copper Druid Copper slags Zinc Scrap Brass Dross Brass Scrap and spent Catalyst Containing Copper | 2000  |  |
| 117  | M/s. Riddhi Siddhi Steels & Alloys, Plot No. B-44, MIDC, Kalmeshwar, Nagpur                                      | Spent Catalyst containing Nickel  | 1000  |  |
| 118  | M/s. Hindustan Platinum Pvt. Ltd.C-12, C-154, TTC, Industrial Area, Pawane, Navi Mumbai                          | Reprocessing  | 5000  |  |
| 119  | M/s. Saurabh Metal Refinery<br>Gut No. 143 Plot No. B/4 At. Sapronda, P.O. Kudus Tal. Wada, Dist. Thane          | Lead Acid Battery Plates and Lead Scrap   | 1440  | 492.744  |
| 120  | M/s. M D Industries,<br>Gut No. 409/411, Village Usar, Motyacha Pada, Tal. Wada                                  | Lead Acid Battery   | 1000  |  |
| 121  | M/s. Sharda Metal Refinery<br>Gut No. 434, Dinkarpada, Vill. Kondle, Tal. Wada, Dist. Thane                      | Lead Acid Battery Plates and Lead Scrap   | 1440  | 90   |
| 122  | M/s. Oswal Resins Pvt. Ltd.<br>Plot No. M-58, Additiona Murbad MIDC, Murbad, Thane                               | Scrap Lead Acid Batteries and Lead Scrap  | 2400  |  |

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|------|--|--|---|--|
| 123  | M/s Krishna Metal Refinery<br>Plot No. 143/1-2, Sapronde Village P.O. Uchat,<br>Taluka – Wada, Distt. Thane – 421 030                | Lead Acid Battery Plates and Lead Scrap          | 3000  |  |
| 124  | M/s. Sharshi Metals<br>S.N. 28/1, Part Village Sharshi, Taluka – Wada, Dist.<br>Thane  | Lead Acid Battery Plates and Lead Scrap          | 1200  |  |
| 125  | M/s. Ranchal Industries<br>Gut No.49, Village-Gunj (Kudus), Post-Kupari, Taluka<br>– Wada<br>Distt.Thane-421 312                     | Lead Acid Battery Plates and Lead Scrap          | 1200  |  |
| 126  | M/s. R.K. Metal Refinery<br>Gut No.293 & 294, Village-USAR, Kondla Road, P.O.-<br>Kudus, Tal. Wada, Distt. Thane - 421 312           | Lead Acid Battery Plates Plates / Lead Scrap     | 4800  | 814.562  |
| 127  | M/s D.K. Metal Works<br>Gut No. 100, At: Kondla Road Village-Kudus<br>P.O. Kudus Taluka-Wada Dist. Thane 421312                      | Lead Acid Battery Plates /Lead Scrap             | 4250  |  |
| 128  | M/s Kothari Metallurgical Export Pvt. Ltd.<br>56 At. Post – Chaindvali<br>Wada – Shahpur Road, Taluka-Wada, Dist. Thane –<br>421 303 | Lead acid battery plates/Lead Scrap              | 7200  |  |
| 129  | M/s Shakti Metal Industries<br>S.No.261, Village-Abidghar, Taluka: Wada Distt.<br>Thane  | Lead Acid Battery Plates & Lead Scrap            | 5000  |  |
| 130  | M/s Ajay Metal Refinery<br>Gut No.390/6, S.No.1060, Village- Kondhle, Post-<br>Kondhle<br>Tal.Wada, Distt. Thane                     | Lead Acid Battery Plates and Lead Scrap          | 2800  |  |

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|------|--|--|---|--|
| 131  | M/s. S. S. Enterprises<br>Gut No.98, Kondla Road, Village-Kudus, Taluka – Wada,<br>Distt. Thane - 421 312          | Lead Acid Battery Plates/Lead Scrap                                      | 4800  |  |
| 132  | M/s. Deshmukh Lead Pvt. Ltd.S.No.63/4/1B, Wada – Manor Road, At Post Varale, Taluka – Wada, Distt. Thane – 421 303 | Lead Acid Battery Plates & Lead Scrap                                    | 8000  |  |
| 133  | M/s. G.N. Metal Refinery<br>Survey No.125, Ghonsai<br>Tal. Wada, Distt. Thane – 421 312                            | Lead Acid Battery Plates/Lead Scrap                                      | 2880  |  |
| 134  | M/s. Indore Metal Corporation<br>Survey No.397/p, Dinkar Pada, Kondla Road, KUDUS<br>Taluka– Wada, Distt. Thane    | Lead Acid Battery Plates/Lead Scrap                                      | 3600  |  |
| 135  | M/s. Samrat Udyog<br>Plot No.147, Village – Sapronda, Post: Kudus, Tal: Wada, Distt: Thane                         | Lead Acid Battery Plates/Lead Scrap                                      | 3000  |  |
| 136  | M/s. Samico International<br>Plot No. 155, Village Sapronda, Post Kudus<br>Tal. Wada, Dist. Thane                  | Lead Acid Battery Plates & Lead Scrap                                    | 2400  |  |
| 137  | M/s. Sarita Metal Refinery<br>Gut No: 53, Village: Supande,<br>Post: Kanchad, Tal. Wada, Dist: Thane               | Lead Scrap, Lead acid Battery Scrap                                      | 2000  |  |
| 138  | M/s. S.H. Metal Works<br>Plot no: 4, Gut no: 495 & 498 Village: Kondale, Post: Kudus, Tal: Wada, Dist: Thane       | Lead Acid Battery Scrap/Plates, Lead Dross & Concentrate of the Capacity | 1500  |  |

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|------|--|--|---|--|
| 139  | M/s. Raj Metal Refinery<br>Gut no: 143, Plot no: 5, Uchat Road, Village: Sapronda,<br>Tal: Wada , Dist: Thane                                  | Lead Acid Battery Scrap/Plates, Lead Dross & Concentrate of the Capacity | 2400  | 824.246  |
| 140  | M/s. S. K. Metal Works<br>Plot No. 5, Gut No. 495 & 498, Village Kondale, Post Kudus,<br>Tal. Wada, Dist. Thane                                | Lead Acid Battery Plates & Lead Scrap                                    | 1500  |  |
| 141  | M/s. Welcome Metal Refinery<br>Gut No. 420, Village: Usar, Post: Kudus, Tal. Wada, Dist.Thane  | Lead Acid Battery Plates/Lead Scrap                                      | 1500  |  |
| 142  | M/s. Nobel Metals Processing (I) Pvt. Ltd.<br>Sr. No. 225, Plot No. 05, Village Bilavali, Tal. Wada, Dist. Thane                               | Lead and Lead Ingots   | 1500  |  |
| 143  | M/s. M. D. Industries,<br>G. No. 409 & 411, Vill. Usar, Motyachapada, Tal. Wada, Dist. Thane   | Lead Acid Battery  | 1000  |  |
| 144  | M/s. Hans Enterprises<br>1 Meera Golani Complex Opp. Vasai Vajreshwari Road Vasai (East), Dist. Thane - 401 208                                | Lead Acid Battery Plates & Lead Scrap                                    | 1800  |  |
| 145  | M/s. Simplex India<br>4 Sativali Nagar, Khakhami Industrial Complex Ahmedabad Bombay Highway Vasai Dist. Thane                                 | Lead Acid Battery Plates and Lead Scrap                                  | 600   |  |
| 146  | M/s. N.V. Metals and Alloys<br>Plot No. 310, Near Shri Hari Fabric Village, Umroli, Taluka Palghar (Palghar Baiser Road) Dist. Thane - 401 404 | Lead Acid Battery Plates and Lead Scrap                                  | 600   |  |

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|------|---|--|---|--|
| 147  | M/s. Nikhil Metals Works<br>At. Village Umroli, Taluka Palghar, Boisar Road, Plot No. 313, Near Shri Hari Fabrics Dist. Thane                     | Lead Acid Battery Plates & Lead Scrap  | 720   |  |
| 148  | M/s. Jarsons Metal<br>18 Ganesh Industrial Estate, National Highway No. 8, Walive Tungar Fhata, Post Sativali Vasai (East), Dist. Thane - 401 208 | Lead acid battery plates/Lead scrap  | 6000  |  |
| 149  | M/s. Mahalaxmi Metal Works & Alloys<br>Plot No.127, Savroli, Tal. Talsari, Distt. Thane   | Lead Acid Battery Plates and Lead Scrap  | 2200  |  |
| 150  | M/s. Shanti Metal Refinery<br>Near Service Station, Kaman Road, Sativali, Vasai (East),<br>District - Thane - 401 202                             | Lead Acid Battery Plates & Lead Scrap  | 1500  |  |
| 151  | M/s. Mahalaxmi Metal Works & Alloys Pvt. Ltd.<br>S. No. 108, Village Pali, Tal. Wada, Dist. Palghar   | Battery Scrap, Tin All types of Lead and Lead alloys scrap, Antimony & Aluminium | 1200  |  |
| 152  | M/s. MRJS Lead Pvt. Ltd.<br>GAT No. 72 Village Dhanore, Behind PCS Industries Ltd., Alanddi - Markal Road, Tal. Khed, Dist. Pune-412 105          | Lead Acid Battery Plates and Lead Scrap  | 1500  |  |
| 153  | M/s. Swara Industries,<br>S. No. 142/A1, 142/A2/1, 141/10 Plot No. 31, SMP C-op. Industrial Estate, Tal. Muslshi, Dist. Solapur                   | Lead Acid Battery / Scrap  | 500   |  |
| 154  | M/s. Variety Metals Pvt. Ltd.<br>Block D-1, Plot No. 21/22, MIDC Chinchwad, Pune  | Brass Scrap, Copper Scrap, Waste Scrap, Copper Alloys, Zinc Scrap                |   |  |

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|------|---|---|---|--|
| 155  | M/s. Chloride Metal Ltd.<br>Gat No.1241, 1242, Markal Taluka- Khed, Distt. Pune- 412 105  | Lead Acid Battery Plates Lead Scrap Lead Ashes and Residues | 72000   | 26458  |
| 156  | M/s. Sakshi Auto Parts Pvt. Ltd.<br>Gat. No. 1427/1-2, Shikrapur, Tal. Shirur, Dist. Pune   | Lead acid battery plates/Lead scrap                         | 10,000  |  |
| 157  | M/s. S.K. Naik and Sons<br>S.No. 50/15, Narhe Viallge, Tal: Haveli, Dist: Pune  | Lead Acid Battery Scrap/lead Copper Alloy                   | 1800  |  |
| 158  | M/s. Pranam Enterprises,<br>S. No. 286/1/6, Next to Bodhe Warehouse, Village Vavli, Devachi, Tal. Haveli, Dist. Pune                                | Lead Acid Batteries   | 3000  |  |
| 159  | M/s. Tandon Metal Pvt. Ltd.<br>Gat No.1242, Markal Taluka-Khed, Distt.Pune Maharashtra-412 105  | Lead Acid Battery Plates Lead Scrap Lead Ashes and Residues | 24000   |  |
| 160  | M/s. Shah Battery Industries,<br>Plot No. C-16, MIDC Baramati, Tal. Baramati, Dist. Pune  | Scrap Lead Acid Battery                                     | 2000  | 25   |
| 161  | M/s. P. B. Melters,<br>G. No. 123, Kurli, Mohiroad, Tal. Chakan, Dist. Pune   | Scrap Lead Acid Battery                                     | 1200  |  |
| 162  | M/s. Sigma & Electric Manufacturing Corporation Pvt. Ltd.<br>Unit 1, Gat No. 154/155, Mahalunge Chakan-Telegaon Road, Chakan, Tal. Khed, Dist. Pune | Copper Scrap / Druid  | 2000  | 1448.56  |
| 163  | M/s. Nayan Metal Pvt. Ltd.<br>D-6 MIDC, Lote Parshuram, Tal. Khed, Dist. Ratnagiri-415 722  | Lead Acid Battery Plates/ Lead Scrap                        | 960   |  |

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|------|---|--|---|--|
| 164  | M/s. Sterling Lead Pvt. Ltd.<br>Plot No. A-210, A-217, Kagal – Halkanangate Five Star Indl. Estate, Halasavade Tal. Karveer, Dist. Kolhapur | Lead acid battery plates/Lead Scrap              | 7200  |  |
| 165  | M/s. Rohini Metal Alloys<br>B-56, Kagal, Hatkangale Industrial Area, Kolhapur   | Lead Scrap (excluding lead acid batteries)       | 960   |  |
| 166  | M/s. Dev Metal Refinery<br>Plot No. B-35, MIDC, Lote Parshuram, Tal. Khed, Dist. Ratnagiri  | Lead acid battery plates/Lead scrap              | 5000  |  |
| 167  | M/s. Sangli Metal Industries<br>Plot No. 11, Gat No. 29 to 31, Sanjay Indl. Estate, Madhavnagar, Sangali - 416406                           | Lead Acid Battery Scrap / Plates / Lead Scrap    | 3600  |  |
| 168  | M/s. Maharashtra Metal Industries<br>Plot No.14, Arkosh Industrial Estate, Village: Dheku, Tal: Khalapur, District – Raigad                 | Lead Acid Battery Plates/Lead Scrap              | 3600  |  |
| 169  | M/s. Vinowas Alloys LLP,<br>S. No. 9, Gorthankhurd, Tal. Khalapur, Dist. Raigad   | Lead Acid Battery / Scrap                        | 14400   |  |
| 170  | M/s. New Metal Refinery<br>Arvind Brothers, Compound Ganpati Pada, Old Thane - Belapur Road, Dighe, Navi Mumbai– 400 065                    | Lead acid battery plates/Lead scrap              | 3000  |  |
| 171  | M/s. S.K. Agency<br>S.R.No,152/1, Plot No.41<br>Chatanaya Nagar Basmath, Tq. Basmath, Distt. Hingoli  | Lead Acid Battery Plates/Lead Scrap              | 800   |  |

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|------|---|--|---|--|
| 172  | M/s. T. K. Metal Industries<br>Plot No. C-48, MIDC Omarga, Dist. Osmanabad                              | Lead Acid Battery / Scrap                          | 2000  |  |
| 173  | M/s. Bharat Industries<br>Plot No. L-135, MIDC Area Dist. Ahmad Nagar                                   | Lead Acid Battery Plates and Lead Scrap            | 1200  |  |
| 174  | M/s. Star Metal<br>Plot No: W-15, MIDC Parbhani   | Lead Scrap, Lead acid Battery Scrap                | 1200  |  |
| 175  | M/s. T. K. Metal<br>Plot No. C-46, MIDC, Omerga,<br>Osmanabad - 413 604                                 | Lead Plates, Lead Scrap, Lead Scrap Acid Batteries | 2000  |  |
| 176  | M/s. Dolphin Battery<br>Recycler Pvt. Ltd.<br>Plot no: C-27, MIDC Khanapur, Tal: Deglure , Dist: Nanded | Lead Acid BatteryScrap / Plates / Lead Scrap       | 1800  |  |
| 177  | M/s. Mohan udyog<br>Plot No. D-51, MIDC Area, Krushrer, Tal. Naigaon,<br>Dist. Nanded                   | Scrap Lead Acid Battery                            | 1800  |  |
| 178  | M/s. Bidada Industries Pvt. Ltd.<br>Plot No. C-34, 35, 36, MIDC AUSA, Tal. AUSA, Dist. Latur            | Scrap Lead Acid Batteries                          | 6000  |  |
| 179  | M/s. Sai Industries,<br>Gat No. 11/2, At. Tagarkhed Po Aurad Sha Tq Nilang,<br>Dist. Latur              | Lead Acid Battery Scrap                            | 1800  |  |
| 180  | M/s. Sai Traders,<br>Gut No. 51, Plot No. 38, Shahajapur, Waluj, Dist. Aurangabad                       | Lead Acid Battery Scrap                            | 500   |  |
| 181  | M/s. Executive Industries Pvt. Ltd.<br>Plot No. 04, Gat No. 13, Village Bhabhulgaon, Ta, & Dist. Nanded | Lead Acid Battery Scrap                            | 4500  |  |



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|------|---|--|---|--|
| 182  | M/s. Pooja Pigments<br>Khasra No.100, Behind Kalmna Kamptee Octroi<br>Kalmna, Nagpur                                  | Lead Acid Battery Scrap and Lead Scrap           | 2100  |  |
| 183  | M/s. Mission Industries,<br>Plot No. 42, Lohara, Tal. Ramlek, Dist. Nagpur  | Scrap Lead Acid Battery                          | 6000  |  |
| 184  | M/s. Satwai Industries<br>E-38 MIDC Hingna Nagpur   | Lead acid battery plates/Lead scrap              | 360   |  |
| 185  | M/s. Singh Metal Works<br>Khasra No.64, Old Khasala, Tal. Kampatee, Distt.<br>Nagpur                                  | Lead Acid Battery Plates & Lead Scrap            | 100   |  |
| 186  | M/s. Shree Balaji Metals<br>110, Maa Umiya Audyogir Sahari Vasahat Maryadit<br>Kopsi (BK), Tal. Kamptse, Dist. Nagpur | Lead Acid Battery Plates & Lead Scrap            | 4200  |  |
| 187  | M/s. Shree Ram Metals<br>Plot No.B-4/14, MIDC Butibori, Thasil - Hingna,<br>Distt. - Nagpur Maharashtra               | Lead Acid Battery Plates/Lead Scrap              | 360   |  |
| 188  | M/s. Shree Metals (Mujbi) Private Ltd.<br>Plot No.312/2, At Mujbi, P.O.- Bela Tah./ Dist.<br>Bhandara-441 904         | Lead Acid Battery Plates & Lead Scrap            | 4932  |  |
| 189  | M/s. Sethi Pigments Pvt. Ltd.<br>Plot No.39, Wanjra Layout Kamptee Road , Nagpur-<br>400 026                          | Lead Acid Battery Plates/ Lead Scrap             | 840   |  |
| 190  | M/s. Rishabh Meta Process<br>Gut No.27/1, Village: Jamni (Dhaba), Station Road,<br>Tah + Distt. Bhandara - 441 904    | Lead Acid Battery Plates & Lead Scrap            | 1800  |  |
| 191  | M/s. Guru Storage Batteries<br>Plot No: 122, Vanjara Layout, Pili nadi Inl Area,<br>Nagpur                            | Lead Scrap, Lead acid Battery Scrap              | 720   |  |

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|------|--|--|---|--|
| 192  | M/s. Nagraj Alloys Pvt. Ltd.<br>Survey No.41, P.H. No. 20, Village Asoli, Mouza Mahalgaon, Tal. Kamptee, Dist. Nagpur    | Lead Acid Battery Plates & Lead Scrap            | 6400  |  |
| 193  | M/s. Shree Ram Metals<br>Plot No: 28, Survey no: 04, Kapsi Kurdh, Tal: Kamptee, Dist: Nagpur                             | Lead Acid Battery Plates & Lead Scrap            | 2400  |  |
| 194  | M/s. Harsh Metal Industries<br>Plot No. 59/3, Mouza Bhowari, Tal. Kamptee, Dist. Nagpur                                  | Lead Acid Battery Plates                         | 5000  |  |
|      |  | Other Lead Scrap                                 | 1200  |  |
| 195  | M/s. Sai Industries,<br>Plot No. C-77, MIDC Butibori, Dist. Nagpur   | Lead Acid Battery                                | 800   |  |
| 196  | M/s. Swastik Industries<br>Plot No. 27 S.N. 161/1 Sahkari Audyogik Vasahat Marydit, Bhusaval                             | Lead Acid Battery Plates and Lead Scrap          | 1160  |  |
| 197  | M/s. Kadri Metal Refinery<br>Plot No. E-94, MIDC Awdhan & Lalling Dhule- 424 311   | Lead Acid Battery Plates and Lead Scrap          | 600   |  |
| 198  | M/s. RHT Steel (India) Pvt. Ltd.<br>GAT No.40/12, A.B. Road, Village-Ajande, (Kh) Taluka - Shirpur, Distt. Dhule-425 405 | Lead Acid Battery Plates & Lead Scrap            | 9600  |  |
| 199  | M/s. Nashik Metal Refinery<br>S.No. 429/430, Village - Gonde, Tq. Igatpuri, Distt. Nashik                                | Lead Acid Battery Plates and Lead Scrap          | 900   |  |
| 200  | M/s. Ameya Metal Industries<br>Gut No. 206 Village Pimpalnare, Khatwad Phata, Tal. Dindori, Nashik                       | Lead Acid Battery Plates/Lead Scrap/Lead Dross   | 2400  |  |

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|------|--|--|---|--|
| 201  | M/s. Success Metal Refinery<br>Gut No. 81/2, Newasa Khadka Road, Tal. Newasa,<br>Dist.Ahmednagar   | Lead Acid Battery Plates/Lead Scrap              | 750   |  |
| 202  | M/s. Shri Ganesh Metal<br>Plot No: 154, MIDC, Malegaon, Sinnar, Dist. Nashik   | Scrap Lead Acid Battery                          | 3600  |  |
| 203  | M/s Shri Anand Battery<br>Plot No E-80, MIDC Jalgaon, Tal. & Dist. Jalgaon   | Lead Acid Battery Scrap<br>/plates/Lead Dross    | 600   |  |
| 204  | M/s. Vaishnavi Industries<br>Plot No: F-34, MIDC,<br>Jalgaon, Tal: Dist: Jalgaon   | Lead Acid Battery Scrap/Plates/ Lead Scrap       | 1500  |  |
| 205  | M/s. Rohini Metal Industries,<br>S. No. 71/2, P. H. 53, Vill. Sawdi, Tal. Kuhi, Dist.<br>Nagpur  | Scrap Batteries                                  | 18000   |  |
| 206  | M/s. Shree Mahalakshmi Metals<br>Plot No. C-122, STICE, Musalgaon, Tal. Sinnar, Dist.<br>Nashik  | Dry Lead Acid Scrap Batteries                    | 360   |  |
| 207  | M/s. Bharat Moulding Works Pvt. Ltd.<br>3/7, Ram Mandir, Industrial Estate, Ram Mandir<br>Road, Goregaon East, Mumbai  | Copper Scrap                                     | 1000  |  |
| 208  | M/s. Earth Sense Recycle Pvt. Ltd.<br>A-7, Gala No: 1, 2 & 3, Ground Floor, Prerana<br>Complex, Anjur Phata, Dapoda Road, Village: Val,<br>Bhiwandi, Dist: Thane | Dismantler                                       | 360   |  |
| 209  | M/s. Just Dispose Recycling Pvt. Ltd.<br>Unit No: 103,110,119, Arvind Industrial Estate,<br>Navghar, Vasai (E), Dist: Thane                                      | Dismantler                                       | 500   |  |

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|------|--|--|---|--|
| 210  | M/s. Eco Recycling Ltd.<br>Eco House, Near Top Glass Enclave, Bhoi Pada,<br>Sativali Road, Vasai (E), Dist: Thane                                    | Recycler   | 7200  |  |
| 211  | M/s. Antony Revive e Waste Pvt. Ltd.<br>W-154, TTC, Pawane Village, Navi Mumbai – 400 710  | Dismantler                                       | 1000  |  |
| 212  | M/s. Mercury Metal industries<br>Plot no. D-48, MIDC Mahad, Tal:-Mahad, Dist:-<br>Raigad, Maharashtra  | Dismantler                                       | 500   |  |
| 213  | M/s. Shabbir Traders<br>Plot No. 999(7), Kiravali Narayan Kutir Udyog<br>Mandal, Village Adivali, Tal. Panvel, Dist. Raigad                          | Dismantler                                       | 500   |  |
| 214  | M/s. E- Recon Recycling<br>Gut No.: 94, Paithan Road Chitegaon, Tal: Paithan,<br>Dist: Aurngabad   | Dismantler                                       | 1000  |  |
| 215  | M/s. Kesariyaji Recyclers<br>Plot No. A-16, Pritesh Complex, Vill. Owali, Tal-<br>Bhiwandi   | Dismantler                                       | 600   |  |
| 216  | M/s. Ecocentric Management Pvt. Ltd.<br>Plot No. 17, Universal Industrial Estate, Vill. Sajgaon,<br>Tal. Khalapur, Dist. Raigad                      | Recycler   | 2500  |  |
| 217  | M/s. Z-Tronics Infratel Pvt. Ltd.<br>Survey no: 103, Gala no: 538, 539 At Village :<br>Pimpari, Post; Dahisar, Tal & Dist: Thane                     | Dismantler                                       | 4000  |  |
| 218  | M/s. Hari International<br>Shree Parasnath Complex, Unit no: 6, Bldg no: D-4,<br>Anjur Phata , Dapoda Road, Vill: Val , Tal: Bhiwnadi<br>Dist: Thane | Dismantler                                       | 300   |  |

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|------|---|--|---|--|
| 219  | M/s. Green world Recycling<br>Pritesh complex , Building no: B-12, Gala no: 7-8,<br>Anjur Phata , Dapoda Road, Val: Village, Tal:<br>Bhiwandi, Dist : Thane | Dismantler                                       | 1000  |  |
| 220  | M/s. E-Recon Recycling<br>Gat no: 94, Chitegaon, Tal: Paithan, Dist: Aurnagabad   | Dismantler                                       | 1000  |  |
| 221  | M/s. ECO Friend Industries<br>Plot no: A-205, TTC Industrial Area, MIDC Pawane,<br>Navi Mumbai-400710   | Dismantler                                       | 1000  |  |
| 222  | M/s.Evergreen Recyclekaro (I) Pvt. Ltd. S.no: 63/4,<br>vill: Varle, Tal: Wada, Dist : Thane   | Recycler   | 2400  |  |
| 223  | M/s. Suritex Pvt. Ltd.<br>Plot no: B-111, MIDC Butibori, Dist : Nagpur  | Dismantler                                       | 360   |  |
| 224  | M/s. M. I. Lokhandwala (I) Pvt. Ltd.<br>Plot No. 1/A, Mohite Industrial Estate, Vill. Butibori,<br>Tal. Hangna, Nagpur                                      | Dismantler                                       | 1000  |  |
| 225  | M/s. CBS E-Waste Recycling Ind.<br>Gut No. 18/63/2, At. Khnapur, Tal. Alcole, Dist.<br>Ahmednagar   | Dismantler                                       | 2500  |  |
| 226  | M/s. Nagraj E-Waste Recycling<br>S. No. 41/2, Village Asoli, Mouza Mahalgaon, Tal.<br>Kamptee, Dist. Nagpur   | Dismantler                                       | 2000  |  |
| 227  | M/s. Arihant E-waste Recycling Pvt. Ltd.<br>Gut no: 307/1, shahda Road, Dondaicha , Dist :<br>Dhule   | Dismantler                                       | 360   |  |

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|------|--|--|---|--|
| 228  | M/s. R.T. Corporation<br>S.no. 377, Hissa no: 2, Village: Palsai, Tal: Wada, Dist: Thane   | Dismantler                                       | 7500  |  |
| 229  | M/s. Envirocare Recycling Pvt. Ltd.<br>Unit no: 8 /C-I Actual Industrial Complex , Uchat, Road, Village : Magathane, Tal : Wada Dist : Thane           | Dismantler                                       | 7500  |  |
| 230  | M/s. E-Incarnation Recycling Pvt. Ltd.<br>Plot no: J-56, MIDC Tarapur, Dist: Thane   | Recycler   | 3000  |  |
| 231  | M/s. AQSA Stamping<br>55 Rangara , Industrial Estate , 33/35, Kirwali (Adivali) , Old Thane-Pune Road Tal: Panvel Dist: Raigad                         | Dismantler                                       | 500   |  |
| 232  | M/s. Green Valley E-waste Management Pvt. Ltd.<br>Pritesh Complex, Bldg no: A-7, Gala no:7, Anjurphata Dapoda village: Val, Tal: Bhiwandi Dist : Thane | Dismantler                                       | 240   |  |
| 233  | M/s. Go-Green Recycling<br>Plot no: 32, service, Industrial Area Sector 1 A Koparkhriane Navi Mumbai – 400709  | Dismantler                                       | 500   |  |
| 234  | M/s. Indian Scrap Traders<br>Ghusia Market,<br>Gala no: 661, Vill: Pimpari, Post : Dahisar Dist: Thane   | Dismantler                                       | 200   |  |

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|------|--|--|---|--|
| 235  | M/s. Clean Tech<br>B/8, Gala no: 3, Parasnath indl Estate, Anjurphata Road, vill: Val, Tal: Bhiwandi Dist: Thane         | Dismantler                                       | 2000  |  |
| 236  | M/s. Mahalaxmi E- Recyclers Pvt. Ltd.<br>Plot no: J-5 (part), Gokul Shirgaon MIDC Area Dist: Kolhapur                    | Dismantler                                       | 720   |  |
| 237  | M/s. V. M. Traders Sr. no: 296<br>(2), At Kondgaon, Post: Sakhrapa, Tal: Sangmeshwar Dist: Ratnagiri                     | Dismantler                                       | 10  |  |
| 238  | M/s. R. K. E-Recycling Industrial<br>Gala No. 2, Tirupati Industrial Park, Sativali Road, Waliv, Tal. Vasai, Dist. Thane | Dismantler                                       | 300   |  |
| 239  | M/s. Shree Mohantara Solutions<br>G. No. 1290, 10th Mile, Pune Satara Road, Wadki, Tal. Haveli, Dist. Pune               | Dismantler                                       | 450   |  |
| 240  | M/s. Anand Computer Systems<br>20160B, Sadashiv Peth, Swanipuram Building Shop. No. 7, 8, 9, Pune                        | Dismantler                                       | 500   |  |
| 241  | M/s. E-Waste Recycling<br>Nirhsas Compound, Near Agarwal Naka, Sativali Road, Waliv, Vasai, Dist. Thane                  | Dismantler                                       | 500   |  |
| 242  | M/s. Krishna Metal Refinery,<br>Unit-II, Plot No. 2/143, Soparpada, Vill. Wada, Dist. Thane                              | Dismantler                                       | 750   |  |
| 243  | M/s. Eco-Tech Recycling<br>C/6(5), Sagar Industrial Estate, S. no. 46/4, Bhunal Nagar, Vasai E, Dist. Thane              | Dismantler                                       | 1000  |  |

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|------|---|--|---|--|
| 244  | M/s. Green India E-Waste & Recycling OPC Pvt. Ltd.<br>S. No. 74, H. No. 1/A, At. Po. Dahisar, Tal. & Dist. Thane                      | Dismantler                                       | 300   |  |
| 245  | M/s. High-Tech Recycling Pvt. Ltd.<br>Gut No. 42, Plot No. 657, A/p. Bhukum, Tal. Mulshi, Dist. Pune                                  | Recycler   | 1000  |  |
| 246  | M/s. Green IT Recycling Centre Pvt. Ltd.<br>D-222, MIDC Ranjangaon, Tal. Shirur, Dist. Pune   | Dismantler                                       | 500   |  |
| 247  | M/s. Shree Recyclers<br>S. No. 208-2, Ap. Bhorli- Bhotak, Chandarwadi, Tal. Daund, Dist. Pune   | Dismantler                                       | 180   |  |
| 248  | M/s. S. K. Enterprises<br>Plot No. 134, Ahmednagar Indl. Co-op. Society Ltd. Nashik   | Dismantler                                       | 3600  |  |
| 249  | M/s. Spas Computers Pvt. Ltd.<br>7 & 12, Hema Industrial Estate, Premises, Cos Ltd. Sarvodaya Nagar, Rajmata Jijai Road, Jogeshwari E | Dismantler                                       | 500   |  |
| 250  | M/s. Asni E-Waste Industries<br>G-1/10, Ground Floor, Jai Jalaram Complex, Vill. Pimplas,   | Dismantler                                       | 120   |  |
| 251  | M/s. Pakeaza Traders,<br>Plot No. 406, 407, 408, At. Soyapur, Tal. & Dist. Aurangabad   | Dismantler                                       | 720   |  |
| 252  | M/s. Computronics Solutions<br>Gut No. 679/2/2, Kuruli, Chakan, Tal. Khed, Dist. Pune   | Dismantler                                       | 1200  |  |



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|------|---|--|---|--|
| 253  | M/s. Kalko Recycling<br>Plot No. 144, Ganesh Nagar, Phursungi, Tal. Haveli, Dist. Pune  | Dismantler                                       | 180   |  |
| 254  | M/s. Solapur Eco Recyfine<br>Plot No. K-47, MIDC Chikholi, Tal. Mohol, Dist. Pune   | Dismantler                                       | 750   |  |
| 255  | M/s. Envirocare Recycling Pvt. Ltd.<br>Unit No. 8/C-1, Actual Industrial Complex, Uchat Road, Vill. Mangathane, Tal. Wada, Dist. Thane          | Dismantler                                       | 7500  |  |
| 256  | M/s. Avni E-Waste Solutions<br>G1/10, Ground Floor, Jai Jalaram Complex, Vill. Pimplas, Tal. Bhiwandi, Dist. Thane                              | Dismantler                                       | 120   |  |
| 257  | M/s. Recycling Future,<br>S. No. 169, Bhangarpada, Post Kundevahll, Tal. Panvel. Dist. Raigad   | Dismantler                                       | 500   |  |
| 258  | M/s. JRS Recycling Solutions Pvt. Ltd.<br>Gala No. 428, S. No. 74, Hissa No. 2A, Garib Nawaz Estate, Old Mumbai Pune Road, Dahisar, Dist. Thane | Dismantler                                       | 300   |  |
| 259  | M/s. Bharat Steels,<br>S. No. 154, Hissa No. 0, Vill. Dhansar, Tal. Panvel, Dist. Raigad  | Dismantler                                       | 300   |  |
| 260  | M/s. Sahara Enterprises,<br>G. No. 65, Dehu Alndi Road, Tal. Haveli, Dist. Pune   | Dismantler                                       | 1000  |  |

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|------|---|--|---|--|
| 261  | M/s. TTCWMA<br>Plot No. P-128, TTC MIDC Indl. Area, Near LFT Infotech Shil Mahape Road, Mahape, Navi Mumbai 400710                                | Recycler   | 300   |  |
| 262  | M/s. Green E-Bin Electronic Solutions<br>Plot No. 18, MIDC Chikalathana, Aurangabad   | Dismantler                                       | 500   |  |
| 263  | M/s. Sahyadri E-Recycler<br>Plot No. 108, 5 Star MIDC Kagal, Hatkanangale, Tal. Kagal, Dist. Kolhapur   | Dismantler                                       | 300   |  |
| 264  | M/s. J. S. Enterprises,<br>G. No. 132, Khalumbare, Tal. Khed, Dist. Pune  | Dismantler                                       | 150   |  |
| 265  | M/s. Shabbir Traders<br>Plot No. P/15 & 16, Sr. No. 119/120/121, Balaji Industrial Park, Behind Hindalco, Vill. Tondre, Tal. Panvel, Dist. Raigad | Dismantler                                       | 300   |  |
| 266  | M/s. Greenbay Enterprises,<br>4550, S. No. 13, H. no. 3A, Behind Star Weigh Bridge, Manatawadi, Urali Devachi, Pune 412203                        | Dismantler                                       | 600   |  |
| 267  | M/s. E-Waste Global,<br>Gate No. 2, Near Theur Phata, Lonikand, Pune Nagar Road, Tal. Haveli, Dist. Pune 412216                                   | Dismantler                                       | 240   |  |
| 268  | M/s. Reteck Envirotech Pvt. Ltd.<br>Plot No. 4 A, MIDC Taloja, Tal. Panvel, Dist. Raigad  | Dismantler                                       | 2500  |  |
| 269  | M/s. Mukesh Metal<br>Sr. No. 93, Hissa No. 1, Behind Deepesh Lodge Gotegar Uttarshiv, Mumbra Road, Dist. Thane                                    | Dismantler                                       | 400   |  |

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| 270  | M/s. Green Tech Solution Industries<br>Gat No. 83/1, A/p. Wakhari, tal. Pandharpur, Dist. Solapur 413304   | Dismantler  | 250   |  |
| 271  | M/s. Lilashana Sales,<br>Ramdas Company, Nandra Road, khamgaon, Dist. Buldhana   | Dismantler  | 360   |  |
| 272  | M/s. Sayma E-Waste Solutions,<br>S. No. 323, Hissa no. 3, A Plot No. B-27, Urali Devashi, Tal. Haveli, Pune  | Dismantler  | 350   |  |
| 273  | M/s. Pranam Enterprises,<br>Sr. No. 286/116, Next to Badhe, Vill. Urali Deveshi, Tal. Haveli, Dist. Pune   | Dismantler  | 1000  |  |
| 274  | M/s. Kuldeep E-Waste Disposals<br>S. No. 50, Waghyai Nagar, Anbegaon, Khed, Katraj, Pune   | Dismantler  | 240   |  |
| 275  | M/s. Sigma Enterprises,<br>Plot No. 5 & Gut No. 54/0, Adiwali, Tal. Panvel, Raigad   | Dismantler  | 350   |  |
| 276  | M/s. Surekha Industrial processors<br>Plot no: G-126/G-129 MIDC Baramati Dist: Pune  | Paint sludge mixed with thinners reprocessing / recycling of paint sludge mixed with thinners | 10000   | 154.5  |
| 277  | M/s. Suraj Coats<br>MIDC Bhosari, Pune from SRO Pimpri Chinchwad, MPCB, Pune   | Reprocessing of Paint Sludge /Residue   | 750   |  |
| 278  | M/s. ACE Industries,<br>S. No. 30, H. No. 18-B, Unity Industrial Estate, Dhigodi, Tal. Haveli, Dist. Pune  | Recovery of Thinner from paint sludge   | 3000  |  |
| 279  | M/s. Maharani Innovative Paints Pvt. Ltd.<br>Gat No. 627, 1/1B, Pune Nashik Highway, Opp. Kishor Pump, Village Kuruli, Chakan, Tal. Khed, Dist. Pune | Paint Sludge  | 6000  |  |

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|------|--|--|---|--|
| 280  | M/s. Alchemist Oil Pvt. Ltd.<br>G. No. 15/2, Tal. Haveli, Dist. Pune   | Paint Sludge                                     | 4800  |  |
| 281  | M/s. Daya Lubricants Pvt. Ltd.<br>Building No. 11, Waliv Phatta , Prime Industrial Estate, Sativali Road, Village Valiv Phata, Vasai (E) Thane, (D)-401 208, Maharashtra | Used Oil   | 3000  | 1729.839                                       |
|      |  | Waste Oil  | 14400   | 833.099  |
| 282  | M/s. Deepak & Company<br>B-20, Road No. 16,<br>Wagle Indl. Estates, Thane, Maharashtra-400 604   | Used Oil   | 1800  |  |
| 283  | M/s. Shiva Petro Synth Specialities Ltd.<br>Plot No. 2/3, Shah & Diwan Indl. Area, Opp. BIDCO Studio, Vill Mahim, Palghar Dist. Palghar                                  | Waste Oil  | 7500  | 0.068  |
|      |  | Used Oil   | 7500  | 0.086  |
| 284  | M/s. Meghani Enterprises<br>H-14, Shaah & Diwan Industrial Complex,<br>Udyognagar Chintupada, Mahim Village, Palghar Dist. Thane   | Waste Oil  | 8400  | 1170   |
|      |  | Used Oil   | 4500  | 305.25   |
| 285  | M/s. North East Lubrica Pvt. Ltd.<br>S. No. 404, Abitghar,<br>Taluka Wada, Dist. Thane - 421 303   | Used Oil   | 9000  |  |
|      |  | Waste Oil  | 9000  |  |
| 286  | M/s. Meher Petro Chem Pvt. Ltd. Plot No. 17, KPD Indl. Estate, Mamor-Wada Road, Vill.:Homrapur, Dist. Thane-421 303  | Used Oil   | 3000  |  |
|      |  | Waste Oil  | 12000   |  |
| 287  | M/s. Sai Om Petro Specialities Ltd.<br>Plot No. 209, Village Khapari, Bhiwandi Wada Road, Tal. Wada, Dist. Thane   | Waste Oil  | 15000   |  |
| 288  | M/s. Industrial Esters & Chemicals Pvt.Ltd.<br>Plot No.A-10, M.I.D.C Industrial Area<br>Ambernath,Distt.Thane  | Used Oil   | 6000  | 154  |
|      |  | Waste Oil  | 8550  | 351  |

National Inventory Report on Hazardous Waste Generation and Its Management (2017-18)

| 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) |
|------|---|--|---|--|
| 289  | M/s. Ishvar Petrochem Pvt. Ltd.<br>G.U.T. No. 147/P, Village Sapraonde, P.O., Kudus, Ta-<br>Wada, Dist. Thane-412312, Maharashtra | Used Oil   | 650   |  |
| 290  | M/s. Al Ali Mohammed Industries<br>Sr. No. 57-1/2, Village Ghatesh Khurd, Khanivali<br>Road, Tal-Wada, Dist. Thane-421303         | Waste Oil  | 18000   |  |
|      |   | Used Oil   | 6000  |  |
| 291  | M/s. Poonam Petrochem Pvt. Ltd.<br>Gut No.459, Dinkarpada Vill. Kondle, Tal. Wada,<br>Distt.Thane-421 312                         | Used Oil   | 3000  |  |
|      |   | Waste Oil  | 6000  |  |
| 292  | M/s. Plus Lubricants<br>Gut No. 228(P1), S.No.43<br>Abithghar, Tal. Wada, Dist.Thane  | Used Oil   | 7500  |  |
|      |   | Waste Oil  | 7500  |  |
| 293  | M/s. Meet Petro Products Pvt. Ltd.<br>Gut No: 177, Konsai Village, Post: Nehroli,<br>Tal: Wada, Dist: Thane                       | Used Oil   | 2000  |  |
|      |   | Waste Oil  | 1000  |  |
| 294  | M/s. ABC Petro Chem Pvt. Ltd.<br>Gat No: 10, Village: Vardha, Post Uchat, Tal: Wada,<br>Dist: Thane                               | Used Oil   | 6000  | 14.82  |
|      |   | Waste Oil  | 18000   | 169.76   |
| 295  | M/s. Star Petrochem Industries,<br>G. No. 421/422, Vill. Usar, Post. Uchat, Tal. Wada,<br>Dist. Palghar                           | Waste Oil  | 6000  |  |
|      |   | Used Oil   | 6000  |  |
| 296  | M/s. Naaz Enterprises<br>Gat. No, 691, Bhupi Phata, Jadhavwadi Haveli, Dist.<br>Pune, Maharashtra                                 | Used Oil   | 800   | 611.574  |
|      |   | Waste Oil  | 400   | 148.019  |
| 297  | M/s. R. R. Scrap Merchant<br>203/1, Chikhali-Moshi Road, Chikhali, Tq.Haveli,<br>Distt.Pune-412114 (Maharashtra)                  | Used Oil   | 350   | 38.04  |
|      |   | Waste Oil  | 1500  | 283.028  |
| 298  | M/s. Ameet Lubricants and Chemicals<br>S. N. 584/1 and 2,<br>Garde Road, Saswad, Distt. Pune                                      | Used Oil   | 2160  | 456.778  |
|      |   | Waste Oil  | 2000  | 42   |

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| 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) |
|------|--|--|---|--|
| 299  | M/s. Samarth Petroleum<br>Gut No. 653/1/C/211/2, Kumbhari Tal. South Solapur, Dist. Solapur, Maharashtra                       | Used Oil   | 3600  |  |
| 300  | M/s. Shriya & Shristi Associates<br>Gut No.156/157, Phulare Wasti, Chimbaliigaon, Pune-Nashik Road Chakan, Tal.Khed Distt.Pune | Used Oil   | 1500  |  |
|      |  | Waste Oil  | 900   |  |
| 301  | M/s. Metro Lubes Pvt. Ltd.<br>Plot No. A-69, MIDC Kurkumbh, Tal-Daund, Dist. Pune  | Used Oil   | 3600  |  |
| 302  | M/s. Patidar Industries<br>Plot No. A-74 MIDC Kurkumbh Tal. Daund, Pune-413 105  | Used Oil   | 8400  | 5528   |
|      |  | Waste Oil  | 8400  |  |
| 303  | M/s. Super Lubes<br>Gat no: 116, Dehu- Alandi Road, Chikhali, Pune -14   | Used oil   | 900   |  |
|      |  | Waste Oil  | 1800  |  |
| 304  | M/s. Blitz Industries,<br>Plot No. 177 & 178, Ranjhe of Kondapur Road, Near Pune Satara Highway, Pune 412205                   | Waste Oil / Used oil                             | 4680  |  |
| 305  | M/s. Aditya Industries<br>Plot No. A-73,MIDC, Pune - Solapur Road, Kurkumbh - 413105, Dist. Pune                               | Used oil   | 4800  | 980  |
| 306  | M/s. Trimurti Enterprises<br>B/G-6, MIDC, Bhosari, Pune - 411026   | Used oil   | 1000  | 165.2  |
| 307  | M/s. Navgire Petrochemicals<br>Gut no: 69 and 73 A/p: Gatachi Wadi, Tal: Barshi Dist : Solpaur                                 | Used Oil   | 1680  | 870.382  |
| 308  | M/s. Alchemist Oil Pvt. Ltd.<br>G. No. 15/2, Tal. Haveli, Dist. Pune   | Waste Oil  | 4800  |  |
|      |  | Paint Sludge                                     | 4800  |  |

National Inventory Report on Hazardous Waste Generation and Its Management (2017-18)

| 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) |
|------|---|--|---|--|
| 309  | M/s. Trimurthi Enterprises,<br>Plot No.A-168, H Block, MIDC Pimpri, Pune  | Used Oil   | 1000  |  |
| 310  | M/s. Radiant Lubes P. Ltd.<br>Plot No. C-8 & C-9,<br>MIDC Gutibori, Tal. Hingana, Dist. Nagpur,<br>Maharashtra    | Waste Oil  | 19740   |  |
|      |   | Used Oil   | 5225  |  |
| 311  | M/s. Nova Lubes Pvt. Ltd.<br>187/4 Mahurjhiri Village, Katol Road, Distt. Nagpur                                  | Used Oil   | 2160  |  |
| 312  | M/s. Highrise Transformers<br>A-28, MIDC Industrial Area Karanja(Ghadge),<br>Tal.Karanja<br>Distt.-Wardha-442 203 | Waste Oil  | 960   |  |
| 313  | M/s. Globle Techniqurs<br>Plot No. C-70, MIDC Umred, Tal. Umbred, Dist.<br>Nagpur                                 | Re-Refining & Waste Oil                          | 600   |  |
| 314  | M/s. Midland Oil Co. Ltd.<br>Sr. No. 46/2, Vil. Aalagondhi, Tal. & Dist. Nagpur,<br>Post. Rama- 441 108           | Used Oil   | 600   |  |
|      |   | Waste Oil  | 5300  |  |
| 315  | M/s. Rozy Lube Industries (Ambika Lube Industries)<br>Plot No. 67, Wanjara Layout, Kamptee Road, Nagpur           | Used Oil   | 1320  |  |
| 316  | M/s. Ranjana Group of Industries<br>Plot No. B-95, MIDC, Butibori, Dist. Nagpur                                   | Used oil   | 5000  |  |
| 317  | M/s. Lucky Petroleum<br>Plot No. E/11, MIDC, Ghugghus Road, Chandrapur  | Used Oil   | 1200  |  |

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| 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) |
|------|---|--|---|--|
| 318  | M/s. Sourabh Oils<br>E-30-31, MIDC, Ghugus Road, Chandrapur-442406 Maharashtra  | Used Oil   | 3000  |  |
| 319  | M/s. Panjatani Oil Refinery,<br>Sr. No. 173/2, Village Saigata, Tal. Bramhapuri, Dist. Chandrapur                             | Used Oil   | 8640  |  |
|      |   | Waste Oil  | 10560   |  |
| 320  | M/s. Tax Oil Lubricants Pvt. Ltd.<br>R-591, MIDC Industrial Area, Rabale, Navi Mumbai-400 701                                 | Waste Oil  | 12960   |  |
| 321  | M/s. Balaji Rang Udyog Pvt. Ltd.<br>Plot No.44, MIDC Taloja Industrial Area (New Chemical Zone) Taloja-410 208, Distt. Raigad | Waste Oil  | 1500  |  |
| 322  | M/s. Shree Pooshp Hans Chemical<br>Plot No.W/186, MIDC, Taloja Tal.-Panvel, Dist.Raigad-410 208                               | Waste Oil  | 36000   | 1790.42  |
| 323  | M/s. Desmo Exports Ltd.<br>Plot No: C-108, C-108/1, TTC Pavane, MIDC, Navi Mumbai   | Used Oil   | 2500  |  |
|      |   | Waste Oil  | 2500  |  |
| 324  | M/s. Subhadra Petrochemicals Pvt. Ltd.<br>Plot No. F-2, MIDC, Kupwad Block, Sangali-416 436                                   | Used Oil   | 7020  | 3112.445                                       |
| 325  | M/s. P Square Industries Ltd.<br>Plot No. J-4, MIDC, Gokul Shirgaon, Kolhapur   | Used Oil / Waste Oil                             | 2400  |  |
| 326  | M/s. Patel Petro Pvt. Ltd.<br>Plot No. H-4, Behind Eurotex Industry, MIDC Gokul Shrigaon, Kolhapur-416234                     | Used Oil   | 7200  | 7189.9   |
| 327  | M/s. Vipro Industries   | Used Oil   | 7000  |  |



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| 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) |
|------|--|--|---|--|
|      | Plot No. D-2/2, MIDC Gokul Sirgaon, Kolhapur-416 234   | Waste Oil  | 5000  |  |
| 328  | M/s. Bana Refinery Pvt. Ltd.<br>H-15, MIDC, Gokul Shirgaon, Kolhapur- 416 234  | Used Oil   | 2000  | 4120.243                                       |
|      |  | Waste Oil  | 2000  |  |
| 329  | M/s. Maharashtra Ester & Ketones Pvt. Ltd.<br>B-52/2, MIDC Industrial Area, Lote Parshuram, Tal. Khed, Dist. Ratnagiri                 | Dra Therm  | 3600  |  |
| 330  | M/s. Amol Oils<br>92, Ajanta Road, Chincholi, Jalgaon  | Waste Oil  | 3600  |  |
|      |  | Used Oil   | 3000  |  |
| 331  | M/s. Garg Distillaries Pvt. Ltd.<br>Survey No. 26/2, 26/2-A, Village-Asali,<br>Post Bhorkheda, Taluka- Sirpur, Dist.- Dhule            | Used Oil   | 6000  |  |
|      |  | Waste Oil  | 6000  |  |
| 332  | M/s. Samarth Industries<br>Plot No. N-22, MIDC, Jalgaon-425 003  | Used Oil   | 3600  |  |
| 333  | M/s. Insotech Refineries<br>Plot No.1, Gut No.114/7, Post-Burudgaon, Nagar Daurid Road, Next to Kinetic Engineering Ahmednagar-414 006 | Used Oil   | 2520  |  |
| 334  | M/s. Ravi Industries<br>G-45, M.I.D.C Area,<br>Jalgaon , Maharashtra   | Used Oil   | 3000  |  |
|      |  | Waste Oil  | 1800  |  |
| 335  | M/s. Paras Petrochem<br>229, Village: Daregaon, Malegaon, Nashik -423203   | Used Oil   | 3000  |  |
| 336  | M/s. Nikhil Lube<br>Gat No. 347/1, Chandrapuri, Tal. Malegaon, Dist. Nashik  | Used Oil   | 1000  | 645.715  |

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| 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) |
|------|--|--|---|--|
| 337  | M/s. India Petrochem<br>S. No.: 59/2, Plot No. 31/2, Chokwala Industrial Estate, At. Bedkipada, Ta. Navapur, Dist. Nandurbar | Used Oil   | 3000  |  |
| 338  | M/s. Ekta Oil Lubricant Industries<br>Gat. No. 361, Plot No. 1, A/p. Talegaon, Tal. Dindori, Nashik                          | Used Oil   | 221   |  |
| 339  | M/s. 3 S Reclaimers<br>Plot No. G-13/3, MIDC, Ahemadnagar  | Used Oil   | 900   |  |
| 340  | M/s. Lube Tech Oil Company<br>Plot. No. F-96, MIDC, Ambad, Tal & Dist. Nashik  | Used Oil   | 600   |  |
| 341  | M/s. M. K. Oil Lubricating Industry,<br>Gat No. 361, Plot No. 1, Vill. Talegaon, Tal. Daund, Dist. Nashik                    | Used Oil   | 223   |  |
| 342  | M/s. Kapilo Petrochem (P) Ltd.<br>T-60, MIDC Nanded, Maharashtra-431603  | Used Oil   | 3000  |  |
| 343  | M/s. Kanchan Chemicals<br>Plot No.B-25, MIDC, Osmanabad - 413 501  | Used Oil   | 8640  |  |
| 344  | M/s. Global Lubrication<br>Gut No. 94, Village Chitegaon, Tq. Paithan, Dist. Aurangabad - 431007                             | Used Oil   | 500   |  |
| 345  | M/s. Ajanta Transpower Equipments Pvt. Ltd.<br>Plot No. K-6, MIDC Area, Dist. Aurangabad                                     | Used Oil (Transformer Oil)                       | 1560  | 365  |

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| 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) |
|------|---|--|---|--|
| 346  | M/s. Sagar Industries,<br>Plot No. E-16, Phase-II, MIDC, Jalna  | Used Oil   | 3000  |  |
| 347  | M/s. K. K. Lubrication,<br>G. No. 07, Jawatapur, Tal. & Dist. Aurangabad  | Used Oil   | 2000  |  |
| 348  | M/s. Global Techniques,<br>Plot No. C-70, MIDC Umred, Tal. Umred, Dist. Nagpur  | Waste Oil  | 600   |  |
| 349  | M/s. Tribo Lubes Pvt. Ltd.<br>Takai Adoshi Road,<br>Village Honad, Post Saigaon, Survey No. 13/7A, 14/3,<br>15/6, Taluka Khalapur, Dist. Raigad | Waste Oil  | 9000  | 444.83   |
|      |   | Used Oil   | 7500  | 909.882  |
| 350  | M/s. Lubstar Petro-Chem Industries<br>C-29, MIDC, Mahad, Dist. Raigad   | Used Oil   | 1800  | 218.8  |
| 351  | M/s. Rebon Lubricants<br>Sr. No. 56, Hissa No. 5, Vill. Honad, Tal. Khalapur,<br>Raigad   | Used Oil   | 1000  |  |
|      |   | Waste Oil  | 1600  |  |
| 352  | M/s. Lubricon India<br>Plot. No. 20, Emerald Industrial Estate, Vill. Dheku,<br>Tal. Khalapur, Raigad   | Used Oil   | 250   |  |
| 353  | M/s. A.G. Astavinyak Petrochem Pvt. Ltd.<br>S.No: 222, Village : Hedwali, Tal: Sudhagad-Pali Dist:<br>Raigad                                    | Used Oil   | 1800  |  |
|      |   | Waste Oil  | 1800  |  |
| 354  | M/s. Premier Petrochem,<br>Plot No. 1, G. No. 185, KIDC, Vill. Dheku, Dist. Raigad  | Waste Oil  | 9000  |  |
| 355  | M/s. Shree Laxmi Refinery<br>Plot No: C-19, Additional MIDC Nandgaon Peth,<br>Amravati Dist: Amravati   | Used oil   | 6000  |  |

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| 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) |
|------|---|--|---|--|
| 356  | M/s. Sanket Chemicals,<br>Plot No. D-18/6, TTC MIDC Turbhe, Navi Mumbai   | Spent Solvent                                    | 240   |  |
| 357  | M/s. Delta Finochem Pvt. Ltd.,<br>Gat No. 504/507, Plot No. 18/19, Gonde Dumala, Tal. Igatpuri, Dist. Nashik          | Spent Solvent                                    | 3600  |  |
| 358  | M/s. Pioneer Industrial Corporation<br>Plot No. N-210, MIDC, Tarapur, Tal. & Dist. Palghar                            | Re-refining of Spent Solvent                     | 3600  |  |
| 359  | M/s. Darshan Chemicals<br>Plot No. A-38/39, MIDC Pawane, Thane Belapur Road, Navi Mumbai 400705                       | Re-processing of Spent Solvent                   | 12000   |  |
| 360  | M/s. Sagar Kala Chemiclas Pvt. Ltd.<br>Plot No. 56, New Chemicals Zone Taloja, MIDC, Tal. Panvel, Dist. Raigad 410208 | Re-Processing of Spent Solvent                   | 960   | 647.898  |
| 361  | M/s. Shree Pooshphans Chemicals,<br>Plot No. W-186/D, MIDC Taloja Indl. Area, Taloja, Tal. Panvel, Dist. Raigad       | Re-Processing of Spent Solvent                   | 3000  |  |
| 362  | M/s. Balaji Chemicals,<br>Plot No. W-209/B, MIDC taloja, Tal. Panvel, Dist. Raigad                                    | Spent Solvent<br>Used Thiner                     | 3600<br>780   |  |
| 363  | M/s. Hindustan Metal Company,<br>M survey No. 122, Village Mondha, Tal. Hingna, Dist. Nagpur                          | Re-refining of Aluminium Dross & Skimming Waste  | 3000  |  |
| 364  | M/s. Bombay Metal Works,<br>S. No. 183, H. No. 5/2, Dahisar Road, Pimpri, Thane                                       | Aluminium Dross & Scrap                          | 5000  |  |

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| 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) |
|------|--|--|---|--|
| 365  | M/s. Vidhi Industries<br>S. No. 106, Village Sheurg, Tal. Panel, Dist. Raigad  | Aluminium Dross and Skimming                     | 3600  |  |
| 366  | M/s. Shree Laxmi Metal Industries,<br>G. No. 62, 64, Vill. Chindwadli, Wada Shahapur Road,<br>Wada, Dist. Palghar  | Aluminium Scrap                                  | 720   |  |
| 367  | M/s. Moonlight Metal Industries Pvt. Ltd.<br>Sr. No. 6, Kaman Road, Sativali Village, Vasai East,<br>Dist. Palghar                                       | Aluminium Scrap                                  | 1200  |  |
| 368  | M/s. Vishal Metal Industries,<br>A/13, Patel Estate, Near Flora Hotel, Vasai Kaman<br>Road, Decdol, Vasai East, Dist. Palghar 421202                     | Aluminium Scrap                                  | 300   |  |
| 369  | M/s. Anshika Metal Industries<br>A/p. Niphan, Khopoli Pen Road, Tal. Khalapur, Dist.<br>Raigad   | Aluminium Dross / Scrap                          | 3500  |  |
| 370  | M/s. Sai Parma,<br>Plot No. B-45, MIDC, Sultanpur, Tal. Wai, Dist. Satara  | Used Food Grade HNP / Rolling Oil                | 1000  | 10   |
| 371  | M/s. EFTEC (India) Pvt. Ltd.<br>G-9, MIDC Ranjangaon, Tal. Shirur, Dist. Pune<br>412220  | PVC Waste Sealer                                 | 300   |  |
| 372  | M/s. Sigma Electric Manufacturing Corporation Pvt.<br>Ltd.<br>Unit 1, Gat No. 154/155, Mahalunge, Chakan<br>Talegaon Road, Chakan, Tal. Khed, Dist. Pune | Copper Scrap / Druid                             | 2000  |  |
| 373  | M/s. Tinna Rubber & Infrastructer Ltd.<br>Gut No. 113/2, 115, Village Pali, Tal. Wada, Dist.<br>Palghar  | Tyre Scrap                                       | 32000   |  |

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| 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) |
|------|---|---|---|--|
| 374  | M/s. Krestar Inc,<br>Survey No. 84/2, 85/2, 85/5, 85/6, 85/7, 87/12, 87/13, of Village Belobdakhar, Tal. Uran, Dist. Raigad | Reconditioning / repairing & washing of ISO Tanks                               | 57.6  |  |
| 375  | M/s. VFM Logisupport Services Ltd.<br>D-63/P/2 & D-64, MIDC, Mahad, Tal. Mahad, Dist. Raigad 402301                         | Reconditioning & Washing of IBCs<br>Reconditioning & Washing of Drums / Carboys | 200000  | 240  |

Table 17(h): Maharashtra-Details of Hazardous waste disposed in Common TSDF(s)

| 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 Pre-Processed for utilization (MT) | Quantity in Stock at the end of the year (MT) |             | Cumulative HW disposed in SLF by the end of financial year (MT) | Capacity           |                   |                 |
|------|---|---|-------------|--|------------------------------|------------------|---|-------------------------------------|----------------------|---|---|-------------|---|--------------------|-------------------|-----------------|
|      |   | Landfillable  | Incinerable | For Direct landfill                        | For Landfill after treatment | For Incineration | Quantity Landfilled directly              | Quantity Landfilled after treatment | Quantity Incinerated |   | Landfillable                                  | Incinerable |   | Incinerator (KCal) | Incinerator (T/H) | Landfill (MT/A) |
| 1    | M/s Mumbai Waste Management Ltd., Plot No. P-32, MIDC Taloja  | 1623  | 3137        | 31343                                      | 120739                       | 27091            | 30525                                     | 117438                              | 29389                | NA  | 5747  | 839         | 1488129   | 11000000           | 3                 | 120000          |
| 2    | M/s Trans Thane Creek Waste Management Association, Plot No. P-128, TTC MIDC Indl area, Shil Mhape, Navi Mumbai, 400710 | 0   | 0           | 25973.07                                   | 7785.34                      | ---              | 25973.07                                  | 7785.34                             | ---                  | 0   | 0   | ---         | 33758.41  | ---                | ---               | 21600           |
| 3    | M/s   | 0   | 15873.9     | 46491.                                     | 38752.                       | 21623.39         | 46491.                                    | 38752.                              | 20930                | 0   | 0   | 16567.3     | 85243.6   | 9000000            | 3                 | 6000            |

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| 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 Pre-Processed for utilization (MT) | Quantity in Stock at the end of the year (MT) |             | Cumulative HW disposed in SLF by the end of financial year (MT) | Capacity           |                   |                 |
|------|---|---|-------------|--|------------------------------|------------------|---|-------------------------------------|----------------------|---|---|-------------|---|--------------------|-------------------|-----------------|
|      |   | Landfillable  | Incinerable | For Direct landfill                        | For Landfill after treatment | For Incineration | Quantity Landfilled directly              | Quantity Landfilled after treatment | Quantity Incinerated |   | Landfillable                                  | Incinerable |   | Incinerator (KCal) | Incinerator (T/H) | Landfill (MT/A) |
|      | Maharashtra Enviro Power Ltd., Plot No. P-56, MIDC, Ranjangaon, Tal. Shirur, Dist. Pune.    |   | 7           | 1  | 51                           |                  | 1   | 51                                  |                      |   |   | 6           | 1   |                    |                   | 0               |
| 4    | M/s Maharashtra Enviro Power Ltd., CHW-01, Vill-Mandwa, MIDC Butibori, Dist Nagpur 441 122. | 0   | 1158        | 12065                                      | 10906                        | 2492             | 12065                                     | 10906                               | 593                  |   | 0   | 3057        | 76321   | 9000000            | 3                 | 60000           |



**Table 17(i): Maharashtra-Details of Hazardous waste disposed in Captive TSDF(s)**

| S.No. | Name and Address of Captive facility                                       | Type of facility (landfillable/Incinerable/both) | Capacity          |                 | HW disposed during the year | Cumulative HW disposed till the end of financial year |
|-------|--|--|-------------------|-----------------|-----------------------------|---|
|       |  |  | Incinerator (T/H) | Landfill (MT/A) |                             |   |
| 1     | M/s Gharda Chemicals Ltd. MIDC Lote, Parshuram, Tal: Khed, Dist: Ratnagiri | Incinerable                                      | 0.32              | ---             | 449.696                     | 13272.573   |

# **18.**

# **MANIPUR**

## **(Hazardous waste generation and its Management)**

Table 18: Manipur- Details of Hazardous waste Generation\*

| S. No. | District     | No. of Hazardous Waste Generating Industry | Quantity of Hazardous Waste as per Authorization (MTA) | Quantity of Hazardous Waste as per Annual Return (MTA) | Quantity Disposed in Captive SLF (MT) | Quantity Disposed through Common SLF at TSDF (MT) | Quantity Disposed by Captive Incinerator (MT) | Quantity Disposed Through Common Incinerator at TSDF (MT) | Quantity Co-processed in cement Kiln (MT) | Quantity utilized under Rule 9 (MT) | Quantity sent to recyclers of Schedule-IV Hazardous Wastes (MT) | Captive Utilization (MT) | Quantity of Hazardous Waste stored at occupier premises at the end of the year (MT) |
|--------|--------------|--|--|--|---------------------------------------|---|---|---|---|-------------------------------------|---|--------------------------|---|
| 1      | Imphal East  | 24   | 35.8   | 0  | 0                                     | 0   | 0   | 0   | 0   | 0                                   | 0   |                          | 0   |
| 2      | Imphal West  | 102  | 223.6  | 0  | 0                                     | 0   | 0   | 0   | 0   | 0                                   | 0   |                          | 0   |
| 3      | Thoubal      | 39   | 20.1   | 0  | 0                                     | 0   | 0   | 0   | 0   | 0                                   | 0   |                          | 0   |
| 4      | Chandel      | 10   | 1.9  | 0  | 0                                     | 0   | 0   | 0   | 0   | 0                                   | 0   |                          | 0   |
| 5      | Senapati     | 11   | 27.3   | 0  | 0                                     | 0   | 0   | 0   | 0   | 0                                   | 0   |                          | 0   |
| 6      | Tamenglong   | 5  | 1.3  | 0  | 0                                     | 0   | 0   | 0   | 0   | 0                                   | 0   |                          | 0   |
| 7      | Ukhrul       | 5  | 12.1   | 0  | 0                                     | 0   | 0   | 0   | 0   | 0                                   | 0   |                          | 0   |
| 8      | Churachand   | 22   | 9.5  | 0  | 0                                     | 0   | 0   | 0   | 0   | 0                                   | 0   |                          | 0   |
| 9      | Bishnupur    | 37   | 5.2  | 0  | 0                                     | 0   | 0   | 0   | 0   | 0                                   | 0   |                          | 0   |
|        | <b>Total</b> | <b>255</b>                                 | <b>336.8</b>   | <b>0</b>   | <b>0</b>                              | <b>0</b>  | <b>0</b>                                      | <b>0</b>  | <b>0</b>                                  | <b>0</b>                            | <b>0</b>  | <b>0</b>                 | <b>0</b>  |

\* Information pertains to 2016-17

# **19.**

# **MEGHALAYA**

## **(Hazardous waste generation and its Management)**

**Table19(a): Meghalaya-Details of Hazardous waste Generation**

| S.No | Name of the District | Number of HW Generating Industry | Authorized Quantity of Hazardous Waste (Metric Tonne) |             |            |            | Quantity of Hazardous Waste generated as per Annual Return within the State/UT (Metric Tonne) |             |            |            | Quantity of HW imported during the year (Metric Tonne) | Quantity of HW exported during the year (Metric Tonne) |
|------|----------------------|----------------------------------|---|-------------|------------|------------|---|-------------|------------|------------|--|--|
|      |                      |                                  | Landfillable  | Incinerable | Recyclable | Utilizable | Landfillable  | Incinerable | Recyclable | Utilizable |  |  |
|      |                      |                                  | 1   | 2           | 3          | 4          | 5   | 6           | 7          | 8          |  |  |
| 1    | Ri-Bhoi              | 5                                | 9.72 KL/A+430 MT/A                                    |             |            |            | 2.75 Kl/A + 395.60 MT/A   |             |            |            |  |  |
| 2    | East Khasi Hills     | 1                                | 20 KL/A   |             |            |            | 7.69 KL/A   |             |            |            |  |  |
| 3    | East Jaintia Hills   | 8                                | 57.12KL/A   |             |            |            | 53.18 KL/A  |             |            |            |  |  |
|      | <b>Total</b>         | <b>14</b>                        |   |             |            |            |   |             |            |            |  |  |

**Table 19(b): Meghalaya- 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      | Quantity sent (MT) |
|        |   |  | 12                     |  | 13                 |
| 1      | For disposal at common secured landfill                 | Nil  | Nil                    | Nil                                    | Nil                |
| 2      | For disposal at common Incinerator                      | Nil  | Nil                    | Nil                                    | Nil                |
| 3      | For recycling by Schedule IV recyclers                  | Nil  | Nil                    | Nil                                    | Nil                |
| 4      | For utilization in co-processing (cement plants)        | Nil  | Nil                    | Nil                                    | Nil                |
| 5      | For utilization under Rule 9 (other than co-processing) | Nil  | Nil                    | Nil                                    | Nil                |

**Table 19(c): Meghalaya-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 Kiln | Other than co-processing | Captive Utilization(Other than column 15 & 16) |  | Co-processing in Cement Kiln | Under Rule 9 other than co-processing | Captive Utilization(Other than column 19 & 20) |
|      |                      |  |                              |                          |  |  |                              |                                       |  |
| 1    | Ri-Bhoi              | 2.75 Kl/A + 383 MT/A   | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 2    | East Khasi Hills     | 7.69 Kl/A  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 3    | East Jaintia Hills   | 53.18 Kl/A   | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
|      | <b>Total</b>         |  | <b>0</b>                     | <b>0</b>                 | <b>0</b>                                       | <b>0</b>   | <b>0</b>                     | <b>0</b>                              | <b>0</b>                                       |

**Table 19(d): Meghalaya-Details on Hazardous Waste Disposed**

| S.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 Secured Landfill (MT)                 |          | Quantity Disposed through Incinerator (MT) |          |
|       |                      | Common  | Captive  | Common                                     | Captive  | Common   | Captive  | Common                                     | Captive  |
|       |                      |   |          |  |          |  |          |  |          |
| 1     | Ri-Bhoi              | 0   | 0        | 0  | 0        | 0  | 0        | 0  | 0        |
| 2     | East Khasi Hills     | 0   | 0        | 0  | 0        | 0  | 0        | 0  | 0        |
| 3     | East Jaintia Hills   | 0   | 0        | 0  | 0        | 0  | 0        | 0  | 0        |
|       | <b>Total</b>         | <b>0</b>  | <b>0</b> | <b>0</b>                                   | <b>0</b> | <b>0</b>   | <b>0</b> | <b>0</b>                                   | <b>0</b> |

**Table 19(e): Meghalaya-Details on Hazardous Waste Stored at Occupier Premises**

| S.No. | Name of the District | Total Quantity of HW stored at Occupier premises at the beginning of the financial year i.e. 01.04.2017 (MT) |             |            |            | Total Quantity of HW stored at Occupier premises during the financial year i.e. 1st April to 31st March 2018 (MT) |             |            |            |
|-------|----------------------|--|-------------|------------|------------|---|-------------|------------|------------|
|       |                      | Landfillable   | Incinerable | Recyclable | Utilizable | Landfillable  | Incinerable | Recyclable | Utilizable |
|       |                      | 30   | 31          | 32         | 33         | 34  | 35          | 36         | 37         |
| 1     | Ri-Bhoi              | 0  | 0           | 0          | 0          | 12.6  |             |            |            |
| 2     | East Khasi Hills     | 0  | 0           | 0          | 0          | 0   | 0           | 0          | 0          |
| 3     | East Jaintia Hills   | 0  | 0           | 0          | 0          | 0   | 0           | 0          | 0          |
|       | <b>Total</b>         | <b>0</b>   | <b>0</b>    | <b>0</b>   | <b>0</b>   | <b>12.6</b>   |             |            |            |

**Table 19(f) : Meghalaya-Details on Recycling / Utilization/Co-Processing of Hazardous Waste**

| S.No | Type of Recycling Facilities   | No of Facilities authorized for recycling / utilization / Co-processing of HW | Total Authorized Capacity (MTA) | Quantity Recycled/ Utilized/ Co-processed (MT) during the year |
|------|--------------------------------|---|---------------------------------|--|
| A    | Commonly Recyclable HW         | 0   | 0                               | 0  |
| B    | Utilization of HW under Rule 9 | 0   | 0                               | 0  |
| C    | Co-processing in Cement Plants | 0   | 0                               | 0  |

**Table 19(g): Meghalaya-List of Authorized Recyclers/ Utilizers/Co-processors of Hazardous Waste**

| 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) |
|------|----------------------------------|--|---|--|
|      | INP                              | INP  | INP   | INP  |

**Table 19(h): Meghalaya-Details of Hazardous waste disposed in Common TSDF(s)**

| 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 Pre-Processed for utilization (MT) | Quantity in Stock at the end of the year (MT) |             | Cumulative HW disposed in SLF by the end of financial year (MT) | Capacity           |                   |                 |
|------|------------------------------|---|-------------|--|------------------------------|------------------|---|-------------------------------------|----------------------|---|---|-------------|---|--------------------|-------------------|-----------------|
|      |                              | Landfillable  | Incinerable | For Direct landfill                        | For Landfill after treatment | For Incineration | Quantity Landfilled directly              | Quantity Landfilled after treatment | Quantity Incinerated |   | Landfillable                                  | Incinerable |   | Incinerator (KCal) | Incinerator (T/H) | Landfill (MT/A) |
|      | Nil                          | Nil   | Nil         | Nil  | Nil                          | Nil              | Nil                                       | Nil                                 | Nil                  | Nil   | Nil   | Nil         | Nil   | Nil                | Nil               | Nil             |

**Table 19(i): Meghalaya-Details of Hazardous waste disposed in Captive TSDF(s)**

| S. No. | Name and Address of Captive facility | Type of facility (landfillable/Incinerable/both) | Capacity          |                 | HW disposed during the year | Cumulative HW disposed till the end of financial year |
|--------|--------------------------------------|--|-------------------|-----------------|-----------------------------|---|
|        |                                      |  | Incinerator (T/H) | Landfill( MT/A) |                             |   |
|        | Nil                                  | Nil  | Nil               | Nil             | Nil                         | Nil   |



# **20.**

# **MIZORAM**

## **(Hazardous waste generation and its Management)**

**Table 20(a): Mizoram-Details of Hazardous waste Generation**

| S.No | Name of the District | Number of HW Generating Industry | Authorized Quantity of Hazardous Waste (Metric Tonne) |             |            |            | Quantity of Hazardous Waste generated as per Annual Return within the State/UT (Metric Tonne) |             |            |            | Quantity of HW imported during the year (Metric Tonne) | Quantity of HW exported during the year (Metric Tonne) |
|------|----------------------|----------------------------------|---|-------------|------------|------------|---|-------------|------------|------------|--|--|
|      |                      |                                  | Landfillable  | Incinerable | Recyclable | Utilizable | Landfillable  | Incinerable | Recyclable | Utilizable |  |  |
|      |                      |                                  | 1   | 2           | 3          | 4          | 5   | 6           | 7          | 8          |  |  |
| 1    | Aizawl               | 33                               | 0   | 0           | 0.0165     | 0          | 0   | 0.0031      | 0          | 0          | 0  | 0  |

**Table 20(b): Mizoram- 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      | Quantity sent (MT) |
|        |   |  | 12                     |  | 13                 |
| 1      | For disposal at common secured landfill                 | 0  | 0                      | 0                                      | 0                  |
| 2      | For disposal at common Incinerator                      | 0  | 0                      | 0                                      | 0                  |
| 3      | For recycling by Schedule IV recyclers                  | 0  | 0                      | 0                                      | 0                  |
| 4      | For utilization in co-processing (cement plants)        | 0  | 0                      | 0                                      | 0                  |
| 5      | For utilization under Rule 9 (other than co-processing) | 0  | 0                      | 0                                      | 0                  |

**Table 20(c): Mizoram-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 Kiln | Other than co-processing | Captive Utilization(ot her than coloumn 15 & 16) |  | Co-processing in Cement Kiln | Under Rule 9 other than co-processing | Captive Utilization(ot her than coloumn 19 & 20) |    |
|       |                      |  |                              |                          |  |  |                              |                                       |  | 14 |
| 1     | Aizawl               | 0  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  | 0  |

**Table 20(d): Mizoram-Details on Hazardous Waste Disposed**

| S.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 Secured Landfill (MT)                 |         | Quantity Disposed through Incinerator (MT) |         |
|       |                      | Common  | Captive | Common                                     | Captive | Common   | Captive | Common                                     | Captive |
|       |                      | 22  | 23      | 24   | 25      | 26   | 27      | 28   | 29      |
| 1     | Aizawl               | 0   | 0       | 0  | 0       | 0  | 0       | 0  | 0       |

**Table 20(e): Mizoram-Details on Hazardous Waste Stored at Occupier Premises**

| S.No. | Name of the District | Total Quantity of HW stored at Occupier premises at the beginning of the financial year i.e. 01.04.2017 (MT) |             |            |            | Total Quantity of HW stored at Occupier premises during the financial year i.e. 1st April to 31st March 2018 (MT) |             |            |            |
|-------|----------------------|--|-------------|------------|------------|---|-------------|------------|------------|
|       |                      | Landfillable   | Incinerable | Recyclable | Utilizable | Landfillable  | Incinerable | Recyclable | Utilizable |
|       |                      | 30   | 31          | 32         | 33         | 34  | 35          | 36         | 37         |
| 1     | Aizawl               | 0  | 0           | 0          | 0          | 0   | 0.0031      | 0          |            |

**Table 20(f): Mizoram-Details on Recycling / Utilization/Co-Processing of Hazardous Waste**

| Sr.No.   | Type of Recycling Facilities          | No. Of Facilities authorized for recycling/utilisation/Co-processing of HW | Total Authorised Capacity (MTA) | Quantity Recycled/Utilized/Co-Processed (MT) |
|----------|---------------------------------------|--|---------------------------------|--|
| <b>A</b> | <b>Commonly Recyclable HW</b>         |  |                                 |  |
| 1        | Used Oil                              | 33   | 0.0165                          | 0.0031                                       |
| 2        | Waste Oil                             |  |                                 |  |
|          | <b>Total</b>                          | <b>33</b>  | <b>0.0165</b>                   | <b>0.0031</b>                                |
| <b>B</b> | <b>Utilisation of HW under Rule 9</b> | 0  | 0                               | 0  |
| <b>C</b> | <b>Co-Processing in Cement Plants</b> | 0  | 0                               | 0  |

**Table20(g): Mizoram-List of Authorized Recyclers/ Utilizers/Co-processors of Hazardous Waste**

| S.No. | Name and Address of the Facility | Type of Hazardous Waste Recycled | Authorized Recycling / Utilization / CO-Processing Capacity (MTA) | Quantity Recycled / Utilized / Co-processed (MT) |
|-------|----------------------------------|----------------------------------|---|--|
| 1     | INP                              | INP                              | INP   | INP  |

**Table 20(h): Mizoram-Details of Hazardous waste disposed in Common TSDF(s)**

| 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 Pre-Processed for utilization (MT) | Quantity in Stock at the end of the year (MT) |             | Cumulative HW disposed in SLF by the end of financial year (MT) | Capacity           |                   |                 |
|------|------------------------------|---|-------------|--|------------------------------|------------------|---|-------------------------------------|----------------------|---|---|-------------|---|--------------------|-------------------|-----------------|
|      |                              | Land fillable                                       | Incinerable | For Direct landfill                        | For Landfill after treatment | For Incineration | Quantity Landfilled directly              | Quantity Landfilled after treatment | Quantity Incinerated |   | Landfillable                                  | Incinerable |   | Incinerator (KCal) | Incinerator (T/H) | Landfill (MT/A) |
| 1    | Nil                          | Nil   | Nil         | Nil  | Nil                          | Nil              | Nil                                       | Nil                                 | Nil                  | Nil   | Nil   | Nil         | Nil   | Nil                | Nil               | Nil             |

**Table 20(i): Mizoram-Details of Hazardous waste disposed in Captive TSDF(s)**

| S.No. | Name and Address of Captive facility | Type of facility (landfillable/Incinerable/both) | Capacity          |                 | HW disposed during the year | Cumulative HW disposed till the end of financial year |
|-------|--------------------------------------|--|-------------------|-----------------|-----------------------------|---|
|       |                                      |  | Incinerator (T/H) | Landfill (MT/A) |                             |   |
| 1     | Nil                                  | Nil  | Nil               | Nil             | Nil                         | Nil   |

# **21. NAGALAND (Hazardous waste generation and its Management)**

**Table 21(a): Nagaland-Details of Hazardous waste Generation**

| S.No | Name of the District | Number of HW Generating Industry | Authorized Quantity of Hazardous Waste (Metric Tonne) |             |            |            | Quantity of Hazardous Waste generated as per Annual Return within the State/UT (Metric Tonne) |             |            |            | Quantity of HW imported during the year (Metric Tonne) | Quantity of HW exported during the year (Metric Tonne) |
|------|----------------------|----------------------------------|---|-------------|------------|------------|---|-------------|------------|------------|--|--|
|      |                      |                                  | Landfillable  | Incinerable | Recyclable | Utilizable | Landfillable  | Incinerable | Recyclable | Utilizable |  |  |
|      |                      |                                  | 1   | 2           | 3          | 4          | 5   | 6           | 7          | 8          |  |  |
| 1    | Dimapur              | 1                                | 0   | 0           | 10         | 0          | 0   | 10          | 0          | 0          | 0  |  |

**Table 21(b): Nagaland- 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      | Quantity sent (MT) |
|        |   |  | 12                     |  | 13                 |
| 1      | For disposal at common secured landfill                 | 0  | 0                      | 0                                      | 0                  |
| 2      | For disposal at common Incinerator                      | 0  | 0                      | 0                                      | 0                  |
| 3      | For recycling by Schedule IV recyclers                  | 0  | 0                      | Digboi Refinery at Guwahati, Assam     | 10                 |
| 4      | For utilization in co-processing (cement plants)        | 0  | 0                      | 0                                      | 0                  |
| 5      | For utilization under Rule 9 (other than co-processing) | 0  | 0                      | 0                                      | 0                  |

**Table 21(c): Nagaland-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 Kiln | Other than co-processing | Captive Utilization(Other than column 15 & 16) |  | Co-processing in Cement Kiln | Under Rule 9 other than co-processing | Captive Utilization(Other than column 19 & 20) |
|       |                      |  |                              |                          |  |  |                              |                                       |  |
| 1     | Dimapur              | 0  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |

**Table 21(d): Nagaland-Details on Hazardous Waste Disposed**

| S.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 Secured Landfill (MT)                 |         | Quantity Disposed through Incinerator (MT) |         |
|       |                      | Common  | Captive | Common                                     | Captive | Common   | Captive | Common                                     | Captive |
|       |                      | 22  | 23      | 24   | 25      | 26   | 27      | 28   | 29      |
| 1     | Dimapur              | 0   | 0       | 0  | 0       | 0  | 0       | 0  | 0       |

**Table 21(e): Nagaland-Details on Hazardous Waste Stored at Occupier Premises**

| S.No. | Name of the District | Total Quantity of HW stored at Occupier premises at the beginning of the financial year i.e. 01.04.2017 (MT) |             |            |            | Total Quantity of HW stored at Occupier premises during the financial year i.e. 1st April to 31st March 2018 (MT) |             |            |            |
|-------|----------------------|--|-------------|------------|------------|---|-------------|------------|------------|
|       |                      | Landfillable   | Incinerable | Recyclable | Utilizable | Landfillable  | Incinerable | Recyclable | Utilizable |
|       |                      | 30   | 31          | 32         | 33         | 34  | 35          | 36         | 37         |
| 1     | Dimapur              | 0  | 0           | 10         | 0          | 0   | 10          | 0          |            |



**Table 21(f): Nagaland-Details on Recycling / Utilization/Co-Processing of Hazardous Waste**

| S.No     | Type of Recycling Facilities          | No of Facilities authorized for recycling / utilization / Co-processing of HW | Total Authorized Capacity (MTA) | Quantity Recycled/ Utilized/ Co-processed (MT) during the year |
|----------|---------------------------------------|---|---------------------------------|--|
| <b>A</b> | <b>Commonly Recyclable HW</b>         |   |                                 |  |
| 1        | Waste Oil                             | 0   | 0                               | 0  |
| 2        | Sludge containing with oil            | 1 (IOC Guwahati refinery, Assam)  | 10                              | 10   |
|          | <b>Total</b>                          | 1   | 10                              | 10   |
| <b>B</b> | <b>Utilization of HW under Rule 9</b> | 0   | 0                               | 0  |
| <b>C</b> | <b>Co-processing in Cement Plants</b> | 0   | 0                               | 0  |

**Table 21(g): Nagaland-List of Authorized Recyclers/ Utilizers/Co-processors of Hazardous Waste**

| 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) |
|----------|----------------------------------|--|---|--|
| <b>1</b> | Nil                              | Nil  | Nil   | Nil  |

Table 21(h): Nagaland-Details of Hazardous waste disposed in Common TSDF(s)

| 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 Pre-Processed for utilization (MT) | Quantity in Stock at the end of the year (MT) |             | Cumulative HW disposed in SLF by the end of financial year (MT) | Capacity           |                   |                 |
|-------|------------------------------|---|-------------|--|------------------------------|------------------|---|-------------------------------------|----------------------|---|---|-------------|---|--------------------|-------------------|-----------------|
|       |                              | Land fillable                                       | Incinerable | For Direct landfill                        | For Landfill after treatment | For Incineration | Quantity Landfilled directly              | Quantity Landfilled after treatment | Quantity Incinerated |   | Landfillable                                  | Incinerable |   | Incinerator (KCal) | Incinerator (T/H) | Landfill (MT/A) |
| 1     | Nil                          | Nil   | Nil         | Nil  | Nil                          | Nil              | Nil                                       | Nil                                 | Nil                  | Nil   | Nil   | Nil         | Nil   | Nil                | Nil               | Nil             |

Table 21(i): Nagaland-Details of Hazardous waste disposed in Captive TSDF(s)

| S. No. | Name and Address of Captive facility | Type of facility (landfillable/Incinerable/both) | Capacity          |                 | HW disposed during the year | Cumulative HW disposed till the end of financial year |
|--------|--------------------------------------|--|-------------------|-----------------|-----------------------------|---|
|        |                                      |  | Incinerator (T/H) | Landfill (MT/A) |                             |   |
| 1      | Nil                                  | Nil  | Nil               | Nil             | Nil                         | Nil   |

# **22.**

# **ODISHA**

## **(Hazardous waste generation and its Management)**

**Table 23(a): Odisha-Details of Hazardous waste Generation**

| S.No. | Name of the District | Number of HW Generating Industry | Authorized Quantity of Hazardous Waste (Metric Tonne) |                |                  |                  | Quantity of Hazardous Waste generated as per Annual Return within the State/UT (Metric Tonne) |                |                |                   | Quantity of HW imported during the year (Metric Tonne) | Quantity of HW exported during the year (Metric Tonne) |
|-------|----------------------|----------------------------------|---|----------------|------------------|------------------|---|----------------|----------------|-------------------|--|--|
|       |                      |                                  | Landfillable  | Incinerable    | Recyclable       | Utilizable       | Landfillable  | Incinerable    | Recyclable     | Utilizable        |  |  |
|       |                      |                                  | 1   | 2              | 3                | 4                | 5   | 6              | 7              | 8                 |  |  |
| 1     | Angul                | 24                               | 11481.16  | 205            | 1760.632         | 93414.12         | 1120.044  | 106.81         | 631.81         | 87222.812         | 0  | 0  |
| 2     | Balasore             | 14                               | 241.036   | 344.3          | 171.982          | 3254.3           | 92.708  | 15.751         | 17.036         | 2741.839          | 0  | 0  |
| 3     | Bargarh              | 4                                | 2.3   | 0              | 99.045           | 0                | 2.058   | 0              | 9.153          | 0                 | 0  | 0  |
| 4     | Bhadrak              | 3                                | 105.65  | 0              | 6572.08          | 2503             | 1.738   | 0              | 16.212         | 2337.692          | 0  | 0  |
| 5     | Bolangir             | 1                                | 0   | 113.08         | 0                |                  |   | 113.03         |                |                   | 0  | 0  |
| 6     | Cuttack              | 21                               | 953.84  | 510            | 160.12           | 8590.008         | 47.899  | 17.652         | 44.52          | 7347.034          | 0  | 0  |
| 7     | Dhenkanal            | 10                               | 2522.9  | 0              | 2313.995         | 31603.6          | 1340.44   | 0              | 234.258        | 26839.942         | 0  | 0  |
| 8     | Ganjam               | 6                                | 3.25  | 0              | 46.445           | 173.63           | 0.03  | 0              | 5.957          | 7                 | 0  | 0  |
| 9     | Jagatsinghpur        | 13                               | 1113.64   | 50             | 8165.5           | 24459.67         | 968.867   | 29.8           | 113.851        | 17494.71          | 0  | 0  |
| 10    | Jajpur               | 29                               | 97607.79  | 83             | 1763.543         | 46993.3          | 33105.664   | 19.9           | 400.7          | 23607.57          | 0  | 0  |
| 11    | Jharsuguda           | 24                               | 13616.647   | 149            | 984.927          | 377671.33        | 10277.633   | 77.387         | 413.541        | 225403.25         | 0  | 0  |
| 12    | Kalahandi            | 1                                | 6   | 0              | 72               | 3000             | 0   | 0              | 24.48          | 638               | 0  | 0  |
| 13    | Keonjhar             | 49                               | 1344.731  | 0              | 841.618          | 10227.372        | 1218.046  | 0              | 447.81         | 7214.543          | 0  | 0  |
| 14    | Khurda               | 22                               | 3948.02   | 2.95           | 629.103          | 14.5             | 3770.176  | 0              | 25.435         | 0.46              | 0  | 0  |
| 15    | Koraput              | 6                                | 171.678   | 25             | 1512.675         | 2590.5           | 116.525   | 5.215          | 394.497        | 1218.73           | 0  | 0  |
| 16    | Malkangiri           | 1                                | 0   | 0              | 13.5             | 0                | 0   | 0              | 5.29           | 0                 | 0  | 0  |
| 17    | Mayurbhanj           | 2                                | 77.19   | 0              | 63.009           | 0                | 56.25   | 0              | 61             | 0.027             | 0  | 0  |
| 18    | Nabarangpur          | 1                                | 7.15  | 0              | 2.16             | 0                | 7.15  | 0              | 0              | 1.8               | 0  | 0  |
| 19    | Rayagada             | 3                                | 364.83  | 0.5            | 196              | 0                | 351.93  | 0.1            | 118.8          | 133.79            | 0  | 0  |
| 20    | Sambalpur            | 17                               | 5425.98   | 2              | 2834.062         | 118955.56        | 6789.74   | 0              | 1704.401       | 97157.99          | 0  | 0  |
|       | Sundargarh           | 84                               | 2364.035  | 13.35          | 2512.913         | 76663.18         | 760.606   | 0.052          | 749.829        | 80911.958         | 0  | 0  |
|       | <b>Total</b>         | <b>335</b>                       | <b>141357.827</b>                                     | <b>1498.18</b> | <b>30715.309</b> | <b>800114.07</b> | <b>60027.504</b>  | <b>385.697</b> | <b>5418.58</b> | <b>580279.147</b> | <b>0</b>   | <b>0</b>   |

**Table 23(b): Odisha- 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      | Quantity sent (MT) |
|              |   |  | 12                     |  | 13                 |
| 1            | For disposal at common secured landfill                 | ---  | 0                      | ---                                    | 0                  |
| 2            | For disposal at common Incinerator                      | ---  | 0                      | West Bengal                            | 19.9               |
| 3            | For recycling by Schedule IV recyclers                  | West Bengal                                  | 1301.35                | West Bengal                            | 1789.23            |
|              |   | Jharkhand                                    | 52.73                  | Jharkhand                              | 415.447            |
| 4            | For utilization in co-processing (cement plants)        | ---  | ---                    | Andhra Pradesh                         | 39.98              |
| 5            | For utilization under Rule 9 (other than co-processing) | ---  | ---                    | Rajasthan                              | 433.32             |
|              |   |  |                        | Chhattisgarh                           | 2380.15            |
| <b>Total</b> |   |  | <b>1354.08</b>         | <b>Total</b>                           | <b>5078.027</b>    |

**Table 23(c): Odisha-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 Kiln | Other than co-processing | Captive Utilization(Other than column 15 & 16) |  | Co-processing in Cement Kiln | Under Rule 9 other than co-processing | Captive Utilization(Other than column 19 & 20) |
|       |                      |  |                              |                          |  |  |                              |                                       |  |
| 1     | Angul                | 40.68  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 2     | Balasore             | 1707.84  | 0                            | 0                        | 0  | 1354.08  | 0                            | 0                                     | 0  |
| 3     | Bargarh              | 0  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 4     | Bhadrak              | 0  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 5     | Bolangir             | 0  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |

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|    |               |                 |          |          |                |                |          |          |          |
|----|---------------|-----------------|----------|----------|----------------|----------------|----------|----------|----------|
| 6  | Khurda        | 4.99            | 0        | 0        | 4033           | 0              | 0        | 0        | 0        |
| 7  | Cuttack       | 222.17          | 0        | 0        | 0              | 0              | 0        | 0        | 0        |
| 8  | Dhenkanal     | 242.73          | 0        | 0        | 0              | 0              | 0        | 0        | 0        |
| 9  | Ganjam        | 0               | 0        | 0        | 0              | 0              | 0        | 0        | 0        |
| 10 | Jagatsinghpur | 90.645          | 0        | 0        | 0              | 0              | 0        | 0        | 0        |
| 11 | Jajpur        | 169.625         | 0        | 0        | 0              | 0              | 0        | 0        | 0        |
| 12 | Jharsuguda    | 0               | 0        | 0        | 4850           | 0              | 0        | 0        | 0        |
| 13 | Kalahandi     | 0               | 0        | 0        | 0              | 0              | 0        | 0        | 0        |
| 14 | Keonjhar      | 0               | 0        | 0        | 1611.55        | 0              | 0        | 0        | 0        |
| 15 | Koraput       | 0               | 0        | 0        | 0              | 0              | 0        | 0        | 0        |
| 16 | Malkangiri    | 0               | 0        | 0        | 0              | 0              | 0        | 0        | 0        |
| 17 | Mayurbhanj    | 0               | 0        | 0        | 0              | 0              | 0        | 0        | 0        |
| 18 | Nabarangpur   | 0               | 0        | 0        | 0              | 0              | 0        | 0        | 0        |
| 19 | Rayagada      | 0               | 0        | 0        | 0              | 0              | 0        | 0        | 0        |
| 20 | Sambalpur     | 0               | 0        | 0        | 35320.15       | 0              | 0        | 0        | 0        |
|    | Sundargarh    | 531.406         | 0        | 0        | 17176.2        | 0              | 0        | 0        | 0        |
|    | <b>Total</b>  | <b>3010.086</b> | <b>0</b> | <b>0</b> | <b>62990.9</b> | <b>1354.08</b> | <b>0</b> | <b>0</b> | <b>0</b> |

**Table 23(d): Odisha-Details on Hazardous Waste Disposed**

| S.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 Secured Landfill (MT)                 |         | Quantity Disposed through Incinerator (MT) |         |
|       |                      | Common  | Captive | Common                                     | Captive | Common   | Captive | Common                                     | Captive |
|       |                      | 22  | 23      | 24   | 25      | 26   | 27      | 28   | 29      |
| 1     | Angul                | 2953.98   | 43      | 0  | 84      | 0  | 0       | 0  | 0       |
| 2     | Balasore             | 89  | 0       | 0  | 15.751  | 0  | 0       | 0  | 0       |
| 3     | Bargarh              | 0   | 0       | 0  | 0       | 0  | 0       | 0  | 0       |
| 4     | Bhadrak              | 0   | 0       | 0  | 0       | 0  | 0       | 0  | 0       |
| 5     | Bolangir             | 0   | 0       | 0  | 113.03  | 0  | 0       | 0  | 0       |

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| S.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 Secured Landfill (MT)                 |          | Quantity Disposed through Incinerator (MT) |          |
|       |                      | Common  | Captive         | Common                                     | Captive        | Common   | Captive  | Common                                     | Captive  |
|       |                      | 22  | 23              | 24   | 25             | 26   | 27       | 28   | 29       |
| 6     | Cuttack              | 15.51   | 0               | 0  | 0              | 0  | 0        | 0  | 0        |
| 7     | Dhenkanal            | 2535.75   | 0               | 0  | 0              | 0  | 0        | 0  | 0        |
| 8     | Ganjam               | 0   | 0               | 0  | 0              | 0  | 0        | 0  | 0        |
| 9     | Khurda               | 1167.64   | 0               | 0  | 0              | 0  | 0        | 0  | 0        |
| 10    | Jagatsinghpur        | 0   | 620.5           | 0  | 0              | 0  | 0        | 0  | 0        |
| 11    | Jajpur               | 33140.14  | 0               | 0  | 0              | 0  | 0        | 0  | 0        |
| 12    | Jharsuguda           | 5160.88   | 69.45           | 0  | 146.298        | 0  | 0        | 0  | 0        |
| 13    | Kalahandi            | 0   | 0               | 0  | 0              | 0  | 0        | 0  | 0        |
| 14    | Keonjhar             | 22.07   | 0               | 0  | 0              | 0  | 0        | 0  | 0        |
| 15    | Koraput              | 0   | 0               | 0  | 0              | 0  | 0        | 0  | 0        |
| 16    | Malkangiri           | 0   | 0               | 0  | 0              | 0  | 0        | 0  | 0        |
| 17    | Mayarbhanj           | 46.93   | 0               | 0  | 0              | 0  | 0        | 0  | 0        |
| 18    | Nabarangpur          | 0   | 7.15            | 0  | 0              | 0  | 0        | 0  | 0        |
| 19    | Rayagada             | 0   | 348             | 0  | 0              | 0  | 0        | 0  | 0        |
| 20    | Sambalpur            | 7206.82   | 29.7            | 0  | 0              | 0  | 0        | 0  | 0        |
| 21    | Sundargarh           | 57.35   | 691.983         | 0  | 0              | 0  | 0        | 0  | 0        |
|       | <b>Total</b>         | <b>52396.07</b>   | <b>1809.783</b> | <b>0</b>                                   | <b>359.079</b> | <b>0</b>   | <b>0</b> | <b>0</b>                                   | <b>0</b> |

**Table 23(e): Odisha-Details on Hazardous Waste Stored at Occupier Premises**

| S.No. | Name of the District | Total Quantity of HW stored at Occupier premises at the beginning of the financial year i.e. 01.04.2017 (MT) |               |                 |                 | Total Quantity of HW stored at Occupier premises during the financial year i.e. 1st April to 31st March 2018 (MT) |               |                 |                   |
|-------|----------------------|--|---------------|-----------------|-----------------|---|---------------|-----------------|-------------------|
|       |                      | Landfillable   | Incinerable   | Recyclable      | Utilizable      | Landfillable  | Incinerable   | Recyclable      | Utilizable        |
|       |                      | 30   | 31            | 32              | 33              | 34  | 35            | 36              | 37                |
| 1     | Angul                | 2760.05  | 0             | 847.152         | 10.765          | 883.114   | 22.81         | 888.358         | 6753.595          |
| 2     | Balasore             | 13.547   | 0             | 110.075         | 8.94            | 17.255  | 0             | 35.745          | 6                 |
| 3     | Bargarh              | 0  | 0             | 0.016           | 0               | 2.058   | 0             | 0.016           | 0                 |
| 4     | Bhadrak              | 0.735  | 0             | 1.291           | 0               | 2.473   | 0             | 1.701           |                   |
| 5     | Bolangir             | ---  | ---           | ---             | ---             | ---   | ---           | ---             | ---               |
| 6     | Khurda               | 126.479  | 0             | 2.85            | 0               | 2729.015  | 0             | 7.803           | 0                 |
| 7     | Cuttack              | 15.69  | 0             | 12.927          | 0               | 48.079  | 17.652        | 4.294           | 0                 |
| 8     | Dhenkanal            | 1224.99  | 0             | 6.255           | 2.65            | 29.68   | 0             | 1.382           | 24.035            |
| 9     | Ganjam               | 0.02   | 0             | 3.787           | 0               | 0.05  | 0             | 4.158           | 0.5               |
| 10    | Jagatsinghpur        | 0  | 15.75         | 442.102         | 1656.985        | 348.367   | 45.55         | 517.601         | 4314.385          |
| 11    | Jajpur               | 365.935  | 0             | 11.748          | 4.46            | 331.459   | 0             | 35.406          | 13.1              |
| 12    | Jharsuguda           | 24.3   | 68.911        | 360.86          | 76493.584       | 5071.603  | 0             | 374.016         | 114598.688        |
| 13    | Kalahandi            | 0  | 0             | 12.72           | 1620            | 0   | 0             | 25.5            | 32                |
| 14    | Keonjhar             | 5.158  | 0             | 136.226         | 1.77            | 1201.134  | 0             | 82.693          | 3367.989          |
| 15    | Koraput              | 0  | 0             | 22.847          | 0               | 116.525   | 5.215         | 95.645          | 26.6              |
| 16    | Malkangiri           | 0  | 0             | 0               | 0               | 0   | 0             | 0               | 0                 |
| 17    | Mayurbhanj           | 0  | 0             | 0               | 0               | 9.32  | 0             | 0               | 0.018             |
| 18    | Nabarangpur          | 0  | 0             | 0               | 0               | 0   | 0             | 0               | 0                 |
| 19    | Rayagada             | 0  | 0             | 12.6            | 1.34            | 3.93  | 0.1           | 24.59           | 2.68              |
| 20    | Sambalpur            | 1827.379   | 0             | 10.268          | 13993.785       | 1410.299  | 0             | 71.179          | 6610.987          |
|       | Sundargarh           | 82.001   | 0.255         | 54.01           | 28.641          | 93.274  | 0.307         | 63.759          | 14.66             |
|       | <b>Total</b>         | <b>6446.284</b>  | <b>84.916</b> | <b>2047.734</b> | <b>93822.92</b> | <b>12297.635</b>  | <b>91.634</b> | <b>2233.846</b> | <b>135765.237</b> |



**Table 23(f): Odisha-Details on Recycling / Utilization/Co-Processing of Hazardous Waste**

| S.No     | Type of Recycling Facilities   | No of Facilities authorized for recycling / utilization / Co-processing of HW | Total Authorized Capacity (MTA) | Quantity Recycled/ Utilized/ Co-processed (MT) during the year |
|----------|--|---|---------------------------------|--|
| <b>A</b> | <b>Commonly Recyclable HW</b>  |   |                                 |  |
| 1        | Brass Dross  |   |                                 |  |
| 2        | Zinc Bearing Wastes  | 1   | 3000                            | 4.99   |
| 3        | Copper Bearing Waste   |   |                                 |  |
| 4        | Spent catalyst containing nickel, cadmium, Zinc, copper, arsenic, vanadium and cobalt  |   |                                 |  |
| 5        | Lead bearing waste including battery waste   | 1   | 18000                           | 0  |
| 6        | E-Waste  |   |                                 |  |
| 7        | Paint and ink Sludge/residues  |   |                                 |  |
| 8        | Used oil   | 10  | 12578.4                         | 1315.116   |
| 9        | Waste Oil  | 5   | 36715.5                         | 1689.99  |
|          | <b>Total</b>   | <b>17</b>   | <b>70293.9</b>                  | <b>3010.096</b>  |
| <b>B</b> | <b>Utilization of HW under Rule 9</b>  |   |                                 |  |
| 1        | Utilization of Used Anode Butt to produce Carbon Pellets and High Energy (HE) Coke for use in Steel furnaces/foundries.  | 1   | 3300                            |  |
| 2        | Utilization of pre-processed Used Anode Butt to produce Green Anodes through Anode-Baking Process for use in Aluminium Smelters  | 1   | 20546                           | 20365.01   |
| 3        | Utilization of pre-processed used Anode Butt generated to produce Carbon Electrode Paste.  | 2   | 57120                           | 1201.22  |
| 4        | Utilization of Aluminium Dross generated from refining and casting house of Aluminium smelter units to recover Aluminium Metal   | 5   | 41640                           | 14529.02   |
| 5        | Utilisation of Spent Pot Lining generated during production of Primary Aluminium from Alumina Smelting Industries for utilization as a supplementary resource for manufacturing of Carbon Mineral Fuel | 2   | 29520                           | 9719.45  |
| 6        | Utilisation of Flue Gas Cleaning Residue generated from Bag filter connected to steel scrap melting induction furnace for recovery   | 1   | 70900                           | 17176.2  |

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| S.No     | Type of Recycling Facilities                              | No of Facilities authorized for recycling / utilization / Co-processing of HW | Total Authorized Capacity (MTA) | Quantity Recycled/ Utilized/ Co-processed (MT) during the year |
|----------|---|---|---------------------------------|--|
|          | Zinc Metal  |   |                                 |  |
|          | <b>Total</b>  | <b>12</b>   | <b>223026</b>                   | <b>62990.9</b>   |
| <b>C</b> | <b>Co-processing in Cement Plants (outside the state)</b> |   |                                 | <b>39.98</b>   |

**Table 23(g): Odisha-List of Authorized Recyclers/ Utilizers/Co-processors of Hazardous Waste**

| 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) |
|------|--|--|---|--|
| 1    | M/s Chemical & Metallurgical Co., Shed Used Oil 720 No. S/111-24, industrial Estate, Kalunga, Rourkela | Used Oil   | 720 KL/A  | 139.5  |
| 2    | M/s N. S. Chemicals, Plot No.-E/72, :Chhend Colony, Rourkela, Sundargarh                               | Used Oil   | 936 KL/A  | 68.52  |
| 3    | M/s Ratna Industries, At- Jamunanki, Po- 1Kuarmunda, Dist-Sundargarh-770039                            | Used Oil   | 750 KLA/A   | 14.4   |
| 4    | M/s Raj Lubricants, At/ P.0- Janugn, Dist- Balasore, Odisha  | Used Oil   | 1500 KL/A   | 344.7  |
| 5    | M/s Susim Enterprises, At- 154/F & G, New Industrial Estate, Jagatpur, Dist- Cuttack, Odisha           | Used Oil   | 1200 KLA/A  | 155.03   |
| 6    | M/s Gouri Shankar Lubricants, AtGurujang, Po- Talcher, Dist- Angul, Odisha - 759100                    | Used Oil   | 600 KL/A  | 40.68  |
| 7    | M/s Asian Petro Chemicals, At Asanabahali, Po.-Barada, Gundichapada, Diskphenkanal                     | Used Oil   | 960 KL/A  | 242.73   |

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| 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) |
|------|--|--|---|--|
| 8    | M/s Shree Durga Petrochemicals, Plot No. 89A, New Industrial Estate, Phase-11, Jagatpur, Dist - Cuttack, Odisha - 754021 | used lubricating oil/Transformer oil             | 2160 KL/A   | 67.14  |
| 9    | M/s Swaraj Lubricants, At- Gobinda, PoHaldipada, Dist-Balasore, Odisha   | used oil<br>waste oil                            | 1500 KL/A<br>6000 KL/A  |  |
| 10   | M/s Purbanchal Petroleum Private Limited, At Kalagada, Po - Jadupur, I Dist - Kendrapara, Odisha - 754213                | used oil/spent oil waste oil                     | 3650 KL/A 12045 KL/A  | 0  |
| 11   | M/s Shriya Metals & Chemicals, At-, Khairbandh, PO- Ranto Birker, PSBramhanitarang, Dist - Sundargarh, Odisha - 770037   | waste oil  | 7350 KL/A   | 308.98   |
| 12   | M/s N. C Oil Refinery Pvt. Ltd., V I- Soya, Po-Osakana, Balikuda, Dist-  | waste oil  | 5000 KL/A   | 90.64  |
| 13   | M/s Omm Sai Refinery 58/263, Kochilagadia, PO- Darpanigarh Dist. Jajpur Odisha   | waste oil  | 10400 KL/A  | 169.62   |
| 14   | M/s Dhan Shree Smelters, At- Plot No. 154/C & D, New Industrial Estate, Jagatpur, Dist- Cuttack, Odisha                  | lead acid battery plates and other lead scrap    | 1800 T/A  | 0  |
| 15   | M/s East Coast Biotech Project, At - Paniora (Near Sungranite Exports Ltd.), PO-Palaspur, Dist- Khurda, Odisha           | zinc skimming/zinc ash/zinc dross                | 3000 T/A  | 4.99   |
| 16   | M/s Omm Cee Business, At- IDCO Plot NO. 3, 5anabramanitarang, Industrial Estate, Kalunga, Dist - Sundargarh, Odisha      | used anode butt                                  | 3300 T/A  | 0  |
| 17   | M/s Metacast International, At/Po - 1'atapali, Dist-Sambalpur, Odisha  | used anode butt                                  | 10080 T/A   | 1201.22  |

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| 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) |
|------|---|--|---|--|
| 18   | M/s Metakani Resources, At/Po-Kabrapali, Dist - Sambalpur, Odisha                           | used anode butt  | 47040 T/A   | 0  |
| 19   | M/s A.K Enterprises, Plot No. 7, Khordha Industrial Estate, Dist Khordha, Odisha            | aluminium dross  | 8400 T/A  | 4033   |
| 20   | M/s Gaurav Aluminium At/PO Hirma, Dist-Jharsuguda, Odisha                                   | aluminium dross  | 12000 T/A   | 4850   |
| 21   | Shree Sai Metallik,At-Jamunalia, PO-Badaposhi,VIA-Naranpur, Dist-Keonjhar, Odisha           | aluminium dross  | 7680  | 1611.55  |
| 22   | Hirakud Metallics, Nuakhurigaon, PO-Sason, Dist-Sambalpur, Odisha                           | aluminium dross  | 9600  | 1036.47  |
| 23   | Hindalco Industries Ltd., Smelter Unit, at/PO-Hirakud, Dist-Sambalpur, Odisha-768016        | aluminium dross  | 3960  | 2998   |
| 24   | Hindalco Industries Ltd., Smelter Unit, at/PO-Hirakud, Dist-Sambalpur, Odisha-768016        | Anode Butt   | 20546   | 20365.01                                       |
| 25   | M/s Green Energy Resources, Shanti Nagar Road, Near Furniture point, Budharaja, sambalpur   | spent pot lining manufacturer carbon fuel  | 25200 T/A   | 9719.45  |
| 26   | M/s Shubhra Chemicals Plot No. 10, Old Industrial Estate, Jagatpur, Dist. Cuttack, Odisha   | spent pot lining   | 12960 T/A   | 0  |
| 27   | M/s Suraj Products Ltd., At- Barapali, Potst-Kesharmal, Rajganpur, Dist. Sundargarh, Odisha | flue gas dust/gas cleaning plant (GCP) sludge of LD furnace/electric arc furnace (EAF)/ blast furnace of steel plant/captive blast furnace | 68500 T/A   | 16936.77                                       |
|      |   | GCP sludge of ferro alloy plant  | 2400 T/A  | 239.43   |

**Table 23(h): Odisha-Details of Hazardous waste disposed in Common TSDF(s)**

| Name and Address of the TSDF   | Quatity in Stock at the beginning of the year (MT) |             | Quatity of Hazardous Waste Received (MT) |                              |                  | Quantity of Hazardous Waste Disposed (MT) |                                     |                      | Quantity Pre-Processed for utilization (MT) | Quantity in Stock at the end of the year (MT) |             | Cumulative HW disposed in SLF by the end of financial year (MT) | Capacity                       |                               |                             |
|--|--|-------------|--|------------------------------|------------------|---|-------------------------------------|----------------------|---|---|-------------|---|--------------------------------|-------------------------------|-----------------------------|
|  | Landfill able                                      | Incinerable | For Direct landfill                      | For Landfill after Treatment | For Incineration | Quantity Landfilled directly              | Quantity Landfilled after treatment | Quantity Incinerated |   | Landfill able                                 | Incinerable |   | Capacity of Incinerator (KCal) | Capacity of Incinerator (T/H) | Capacity of Landfill (MT/A) |
| Odisha Waste Management Project of M/s Ramky Enviro Engineers Ltd., Plot No. 420/648/1, Vill: Kanchichuan Via: Sukinda, PO: Mangalpur, Dist: Jajpur, Odisha- 755 018 | N/A  | N/A         | 15036.6                                  | 37527.17                     | N/A              | N/A                                       | 15036.6                             | 37527.17             | N/A   | N/A   | N/A         | 120757.78   | N/A                            | N/A                           | 75000                       |

**Table 22(i): Odisha-Details of Hazardous waste disposed in Captive TSDF(s)**

| S. No. | Name and Address of Captive facility                            | Type of facility (landfillable/Incinerable/both) | Capacity          |                 | HW disposed during the year |                   | Cumulative HW disposed till the end of financial year |                  |
|--------|---|--|-------------------|-----------------|-----------------------------|-------------------|---|------------------|
|        |   |  | Incinerator (T/H) | Landfill (MT/A) | Incinerable (T/H)           | Landfillable (MT) | Incinerable (T)                                       | Landfillable (T) |
| 1      | M/s Rourkela Steel Plant, Rourkela                              | Landfill   |                   | 15000 T         |                             | 687.7             |   | 4672.7           |
| 2      | M/s Hindalco, Hirakud   | Landfill   |                   | 55000T          |                             | 0                 |   | 0                |
| 3      | M/s JK Paper Mill, Rayagada                                     | Landfill   |                   | 1550 T          |                             | 348               |   | 1060.83          |
| 4      | M/s Paradeep Phosphate Ltd., Paradeep                           | Landfill   |                   | 5700 T approx   |                             | 0                 |   | 23.02            |
| 5      | M/s NALCO (Smelter), Angul                                      | Both   | 100 Kg/hr         | 40000 T         |                             | 43                | 365   | 39928            |
| 6      | M/s NALCO (Refinery), Damonjadi, Dist: Koraput                  | Incinerator                                      | Not in use        |                 |                             | 0                 |   |                  |
| 7      | M/s OCL India Ltd., Raigangpur                                  | Landfill   |                   | 483 T           |                             | 4.283             |   | 80.711           |
| 8      | M/s Ballarpur Industries, Jeypore, Koraput                      | Landfill   |                   | 3000 T          |                             | 1                 |   | 1.5              |
| 9      | M/s Tata Refractories, Jharsuguda                               | Landfill   |                   | 500 T           |                             | 0                 |   | 130              |
| 10     | M/s IFFCO Ltd., Paradeep  | Landfill   |                   | 6000 T          |                             | 4.5               |   | 1100             |
| 11     | M/s Grasim Industries Ltd., Ganjam                              | Landfill   |                   | 5100 T          |                             |                   |   |                  |
| 12     | M/s Vedanta Aluminium Ltd., Jharsuguda                          | Both   | 50 kg/hr          | 22000 T         | 146.298                     | 69.45             | 438.393   | 21802.419        |
| 13     | M/s Raj Lubricant, At/P.P.-Januganj, District, Balasore, Odisha | Incinerator                                      | 100 Kg/hr         |                 | 15.751                      |                   | 15.751  |                  |
| 14     | M/s Indian Oil  | Both   | 250 kg/hr         | 82125 T         | 0                           | 616               |   | 616              |

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| S. No. | Name and Address of Captive facility  | Type of facility (landfillable/Incinerable/both) | Capacity          |                 | HW disposed during the year |                   | Cumulative HW disposed till the end of financial year |                  |
|--------|---|--|-------------------|-----------------|-----------------------------|-------------------|---|------------------|
|        |   |  | Incinerator (T/H) | Landfill (MT/A) | Incinerable (T/H)           | Landfillable (MT) | Incinerable (T)                                       | Landfillable (T) |
|        | Corporaation Ltd., Paradeep   |  |                   |                 |                             |                   |   |                  |
| 15     | M/s Mangalam Timber Products Ltd, Vill: Kusumi, Po & Dist.: Nabarangpur, Odisha- 746 059. | Landfill   |                   | 140 T           | 0                           | 7.15              |   | 7.15             |

**23.**  
**PUDUCHERRY**  
**(Hazardous waste generation and its Management)**



**Table 23(a): Puducherry-Details of Hazardous waste Generation**

| S.No | Name of the District | Number of HW Generating Industry | Authorized Quantity of Hazardous Waste (Metric Tonne) |                |                 |               | Quantity of Hazardous Waste generated as per Annual Return within the State/UT (Metric Tonne) |                |             |                 | Quantity of HW imported during the year (Metric Tonne) | Quantity of HW exported during the year (Metric Tonne) |
|------|----------------------|----------------------------------|---|----------------|-----------------|---------------|---|----------------|-------------|-----------------|--|--|
|      |                      |                                  | Landfillable  | Incinerable    | Recyclable      | Utilizable    | Landfillable  | Incinerable    | Recyclable  | Utilizable      |  |  |
|      |                      |                                  | 1   | 2              | 3               | 4             | 5   | 6              | 7           | 8               |  |  |
| 1    | Puducherry           | 133                              | 15  | 1590           | 7152            | 370367        | 3.695   | 395.58         | 1557        | 24456.46        | 41254.278  | 0  |
| 2    | Karaikal             | 12                               | 0   | 1.27           | 147.18          | 53800         | 0   | 2.507          | 10          | 0               | 9131.669   | 0  |
| 3    | yanam                | 2                                | 0   | 0              | 6000            | 0             | 0   | 0              | 0           | 0               | 0  | 0  |
| 4    | Mahe                 | 0                                | 0   | 0              | 0               | 0             | 0   | 0              | 0           | 0               | 0  | 0  |
|      | <b>Total</b>         | <b>147</b>                       | <b>15</b>   | <b>1591.27</b> | <b>13299.18</b> | <b>424167</b> | <b>3.695</b>  | <b>398.087</b> | <b>1567</b> | <b>24456.46</b> | <b>50385.947</b>                                       | <b>0</b>   |

**Table 23(b): Puducherry- 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      | Quantity sent (MT) |
|        |   |  | 12                     |  | 13                 |
| 1      | For disposal at common secured landfill                 | 0  | 0                      | 0                                      | 0                  |
| 2      | For disposal at common Incinerator                      | 0  | 0                      | Tamilnadu                              | 120                |
|        |   | 0  | 0                      | Karnataka                              | 215                |
| 3      | For recycling by Schedule IV recyclers                  | 0  | 0                      | Tamilnadu                              | 911                |
|        |   |  |                        | Karnataka                              | 1                  |
|        |   |  |                        | Rajasthan                              | 61                 |
|        |   |  |                        | Andhra Pradesh                         | 90                 |
|        |   |  |                        | Telangana                              | 76                 |
|        |   |  |                        | Maharashtra                            | 50                 |
|        |   |  |                        | Haryana                                | 79                 |
| 4      | For utilization in co-processing (cement plants)        | 0  | 0                      | Tamilnadu                              | 74                 |
| 5      | For utilization under Rule 9 (other than co-processing) | 0  | 0                      | AP                                     | 2011               |
|        |   |  |                        | Karnataka                              | 604.5              |
|        |   |  |                        | Tamilnadu                              | 13420              |

**Table 23(c): Puducherry-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 Kiln | Other than co-processing | Captive Utilization(Other than column 15 & 16) |  | Co-processing in Cement Kiln | Under Rule 9 other than co-processing | Captive Utilization(Other than column 19 & 20) |
|      |                      |  |                              |                          |  |  |                              |                                       |  |
| 1    | Puducherry           | 114  | 0                            | 6938                     | 6  | 0  | 0                            | 144                                   | 0  |
| 2    | karaikal             | 7  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 3    | Yanam                | 0  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 4    | Mahe                 | 0  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
|      | <b>Total</b>         | <b>121</b>   | <b>0</b>                     | <b>6938</b>              | <b>6</b>                                       | <b>0</b>   | <b>0</b>                     | <b>144</b>                            | <b>0</b>                                       |

**Table 23(d): Puducherry-Details on Hazardous Waste Disposed**

| S.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 Secured Landfill (MT)                 |          | Quantity Disposed through Incinerator (MT) |          |
|       |                      | Common  | Captive      | Common                                     | Captive      | Common   | Captive  | Common                                     | Captive  |
|       |                      | 22  | 23           | 24   | 25           | 26   | 27       | 28   | 29       |
| 1     | Puducherry           | 0   | 1.255        | 0  | 48.58        | 0  | 0        | 0  | 0        |
| 2     | Karaikal             | 0   | 0            | 0  | 2.5177       | 0  | 0        | 0  | 0        |
| 3     | Yanam                | 0   | 0            | 0  | 0            | 0  | 0        | 0  | 0        |
| 4     | Mahe                 | 0   | 0            | 0  | 0            | 0  | 0        | 0  | 0        |
|       | <b>Total</b>         | <b>0</b>  | <b>1.255</b> | <b>0</b>                                   | <b>51.09</b> | <b>0</b>   | <b>0</b> | <b>0</b>                                   | <b>0</b> |

**Table 23(e): Puducherry-Details on Hazardous Waste Stored at Occupier Premises**

| S.No. | Name of the District | Total Quantity of HW stored at Occupier premises at the beginning of the financial year i.e. 01.04.2017 (MT) |              |            |            | Total Quantity of HW stored at Occupier premises during the financial year i.e. 1st April to 31st March 2018 (MT) |             |            |             |
|-------|----------------------|--|--------------|------------|------------|---|-------------|------------|-------------|
|       |                      | Landfillable   | Incinerable  | Recyclable | Utilizable | Landfillable  | Incinerable | Recyclable | Utilizable  |
|       |                      | 30   | 31           | 32         | 33         | 34  | 35          | 36         | 37          |
| 1     | Puducherry           | 25.684   | 13           | 187        | 169        | 28.124  | 25          | 281        | 1571        |
| 2     | Karaikal             | 0  | 0.0107       | 40         | 0          | 0   | 0           | 43         | 0           |
| 3     | Yanam                | 0  | 0            | 0          | 0          | 0   | 0           | 0          | 0           |
| 4     | Mahe                 | 0  | 0            | 0          | 0          | 0   | 0           | 0          | 0           |
|       | <b>Total</b>         | <b>25.684</b>  | <b>13.01</b> | <b>227</b> | <b>169</b> | <b>28.124</b>   | <b>25</b>   | <b>324</b> | <b>1571</b> |

**Table 23(f): Puducherry-Details on Recycling / Utilization/Co-Processing of Hazardous Waste**

| S. No | Type of recycling facilities*  | No. of facilities authorised for recycling/ utilization/co-processing of HW | Total authorized capacity (MTA) | Quantity recycled/ utilized/ co-processed (MT) during the year |
|-------|--|---|---------------------------------|--|
| 1     | Zinc bearing waste   | 2   | 6000                            | 0  |
| 2     | Used oil   | 1   | 2400                            | 117  |
| 3     | waste oil  |   | 50                              | 4  |
| 4     | C5- Pertolium Jelly  |   | 250                             | 144  |
| 5     | Spent Solvents   |   |                                 |  |
|       | <b>Total</b>   | <b>3</b>  | <b>8700</b>                     | <b>265</b>   |
| 41    | Utilization of waste dichromate solution generate during manufacturing ibuprofen for production of Basic chromium sulphate | 2   | 18100                           | 6938   |

**Table 23(g): Puducherry-List of Authorized Recyclers/ Utilizers/Co-processors of Hazardous Waste**

| S.NO | Name and address of the facility   | Type of hazardous waste authorized for recycling |             | Authorized recycling/utilization/ Co-Processing capacity (MTA) | Quantity Recycled/ utilized / co-processed (MT) |
|------|--|--|-------------|--|---|
|      |  | Schedule I                                       | Schedule II |  |   |
| 1    | M/s R.K.Industries, 3/5, Lingareddipalayam, Puducherry-605 503                                       | 5.1 waste oil                                    |             | 1600   | 69  |
|      |  | 5.2 oil residue                                  |             | 800  | 48  |
|      |  | 5.2 soaked cotton waste                          |             |  | 19.5  |
|      |  | 20.2   |             | 250  | 144   |
|      |  |  | C5          | 50   | 4   |
| 2    | M/s Rishab Intermediates Pvt. Ltd., A-70, Indl., Estate, Sederapet, Puducherry 605 111.              |  | A4          | 10800  | 6558  |
| 3    | Premier chemical industries, S.F no. 123/8B, 123/9A thuthipet, villianur commune, Puducherry-605502. |  | A4          | 7300   | 380   |
| 4    | M/s A. V. R. Zinc Products (P) Ltd., Unit -II, Adavipolam, Yanam- 533 464.                           | 6.2  |             | 3000   | 0   |
| 5    | M/s A. V. R. Zinc Products (P) Ltd., Unit -II, Adavipolam, Yanam- 533 464.                           | 6.2  |             | 3000   | 0   |

**Table 23(h): Puducherry-Details of Hazardous waste disposed in Common TSDF(s)**

| 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 Pre-Processed for utilization (MT) | Quantity in Stock at the end of the year (MT) |             | Cumulative HW disposed in SLF by the end of financial year (MT) | Capacity           |                   |                 |
|-------|---------------------------------------|---|-------------|--|------------------------------|------------------|---|-------------------------------------|----------------------|---|---|-------------|---|--------------------|-------------------|-----------------|
|       |                                       | Land fillable                                       | Incinerable | For Direct landfill                        | For Landfill after treatment | For Incineration | Quantity Landfilled directly              | Quantity Landfilled after treatment | Quantity Incinerated |   | Landfillable                                  | Incinerable |   | Incinerator (KCal) | Incinerator (T/H) | Landfill (MT/A) |
| 1     | No Common TSDF Facility in Puducherry |   |             |  |                              |                  |   |                                     |                      |   |   |             |   |                    |                   |                 |

**Table 23(i): Puducherry-Details of Hazardous waste disposed in Captive TSDF(s)**

| S. No. | Name and Address of Captive facility  | Type of facility (landfillable/Incinerable/both) | Capacity          |                 | HW disposed during the year | Cumulative HW disposed till the end of financial year |
|--------|---|--|-------------------|-----------------|-----------------------------|---|
|        |   |  | Incinerator (T/H) | Landfill (MT/A) |                             |   |
| 1      | M/s Solara Activa Pharma (Unit-I), R.S. 32, 34, PIMS road, Periya kalapet, Puducherry- 605014 | Landfillable                                     | 0                 | 90              | 1.25                        | 30  |
| 2      | M/s RK Industries, No. 3/5, Lingareddipalayam, Puducherry                                     | Incinerable                                      | 3.6               | 0               | 51                          | 0   |

**24.**  
**PUNJAB**  
**(Hazardous waste generation and its Management)**

**Table 24(a): Punjab-Details of Hazardous waste Generation**

| S.No. | Name of the District       | Number of HW Generating Industry | Authorized Quantity of Hazardous Waste (Metric Tonne) |             |            |            | Quantity of Hazardous Waste generated as per Annual Return within the State/UT (Metric Tonne) |             |            |            | Quantity of HW imported during the year (Metric Tonne) | Quantity of HW exported during the year (Metric Tonne) |
|-------|----------------------------|----------------------------------|---|-------------|------------|------------|---|-------------|------------|------------|--|--|
|       |                            |                                  | Landfillable  | Incinerable | Recyclable | Utilizable | Landfillable  | Incinerable | Recyclable | Utilizable |  |  |
|       |                            |                                  | 1   | 2           | 3          | 4          | 5   | 6           | 7          | 8          |  |  |
| 1     | Hoshiarpur                 | 36                               | 1553  | 20          | 2140       | 25500      | 830.248   | 3.3         | 1288.95    | 20682.625  | 0  | 0  |
| 2     | Shaheed Bhagat Singh Nagar | 20                               | 6470  | 3819.5      | 10883      | 350        | 4095  | 992.397     | 3535.3     | 289.9      | 0  | 0  |
| 3     | Amritsar                   | 181                              | 246.088   | 43.92       | 952.837    | 16.227     | 161.98  | 8.055       | 39.373     | 4.935      | 0  | 0  |
| 4     | Patiala                    | 83                               | 1219.034  | 375.887     | 5274.316   | 8251       | 1053.391  | 243.18      | 5355.75    | 5625.12    | 0  | 0  |
| 5     | Jalandhar                  | 593                              | 3342.524  | 32.68       | 1869.11    | 0          | 3305.57   | 28.56       | 1829.11    | 0          | 0  | 0  |
| 6     | Kapurthala                 | 58                               | 153.696   | 168.7       | 1.85       | 35.8       | 35.23   | 161.28      | 0.85       | 14.2       | 0  | 0  |
| 7     | SAS Nagar and Roopnagar    | 159                              | 6159.79   | 2011.36     | 1005.68    | 6493.69    | 5504.69   | 1468.819    | 695.397    | 3614.745   | 0  | 0  |
| 8     | Bathinda                   | 35                               | 1970.54   | 152.6       | 10768.89   | 0          | 186.82  | 44.6        | 8957.73    | 0          | 0  | 0  |
| 9     | Mansa                      | 9                                | 92.06   | 2.2         | 170.352    | 0          | 92.06   | 2.2         | 170.352    | 0          | 0  | 0  |
| 10    | Sri Muktsar Sahib          | 15                               | 12.25   | 0           | 1069.02    | 0          | 12.25   | 0           | 1069.02    | 0          | 0  | 0  |
| 11    | Batala                     | 209                              | 596.86  | 0           | 1          | 0          | 12.052  | 0           | 0.362      | 0          | 0  | 0  |
| 12    | Faridkot                   | 10                               | 7.68  | 0           | 180.8      | 0.024      | 1.475   | 0           | 180        | 0          | 0  | 0  |
| 13    | Moga                       | 13                               | 13.472  | 16          | 1326.48    | 1.33       | 10.0304   | 0.25        | 397.035    | 0          | 0  | 0  |
| 14    | Ferozepur                  | 4                                | 0.135   | 0           | 120.84     | 0          | 0   | 0           | 120.72     | 0          | 0  | 0  |
| 15    | Fazilka                    | 3                                | 6   | 0           | 1.25       | 21         | 1.92  | 0           | 0          | 0.32       | 0  | 0  |
| 16    | Sangrur                    | 80                               | 1478.448  | 2705.075    | 705.416    | 15530      | 522.588   | 42.657      | 323.464    | 6308       | 7254.704   | 0  |
| 17    | Barnala                    | 14                               | 204.04  | 2.613       | 1289.111   | 5400       | 166.207   | 0.1688      | 186.143    | 3319.61    | 0  | 0  |
| 18    | Ludhiana-1                 | 485                              | 4957.8  | 174.4       | 1714.76    | 62940.79   | 5336.34   | 78.875      | 1396.25    | 13573.1    | 0  | 0  |
| 19    | Ludhiana-2                 | 253                              | 2622.2  | 513.86      | 6307.48    | 328.87     | 2866.35   | 185.32      | 1574.05    | 135.6      | 0  | 0  |
| 20    | Ludhiana-3                 | 232                              | 1183.92   | 120.3       | 337.84     | 0          | 823.92  | 40          | 182.93     | 0          | 0  | 0  |



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| S.No. | Name of the District | Number of HW Generating Industry | Authorized Quantity of Hazardous Waste (Metric Tonne) |                  |                  |                  | Quantity of Hazardous Waste generated as per Annual Return within the State/UT (Metric Tonne) |                  |                  |                  | Quantity of HW imported during the year (Metric Tonne) | Quantity of HW exported during the year (Metric Tonne) |
|-------|----------------------|----------------------------------|---|------------------|------------------|------------------|---|------------------|------------------|------------------|--|--|
|       |                      |                                  | Landfillable  | Incinerable      | Recyclable       | Utilizable       | Landfillable  | Incinerable      | Recyclable       | Utilizable       |  |  |
|       |                      |                                  | 1   | 2                | 3                | 4                | 5   | 6                | 7                | 8                |  |  |
| 21    | Ludhiana-4           | 304                              | 1764.735  | 211.097          | 297.07           | 1200             | 882.515   | 205.33           | 246.37           | 0                | 0  | 0  |
| 22    | Fatehgarh Sahib      | 383                              | 1998.83   | 0.57             | 62.66            | 778.28           | 1717.835  | 0.41             | 55.91            | 698.89           | 0  | 0  |
| 23    | Khanna               | 105                              | 343.476   | 0                | 4.511            | 61.68            | 308.11  | 0                | 3.49             | 59.89            | 0  | 0  |
|       | <b>Total</b>         | <b>3284</b>                      | <b>36396.578</b>                                      | <b>10370.762</b> | <b>35715.383</b> | <b>126908.69</b> | <b>27926.5814</b>   | <b>3505.4018</b> | <b>27608.556</b> | <b>54326.935</b> | <b>7254.704</b>  | <b>0</b>   |

**Table 24(b): Punjab- 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      | Quantity sent (MT) |
|             |   |  | 12                     |  | 13                 |
| 1           | For disposal at common secured landfill                 | 0  | 0                      | 0                                      | 0                  |
| 2           | For disposal at common Incinerator                      | 0  | 0                      | 0                                      | 0                  |
| 3           | For recycling by Schedule IV recyclers                  | Uttar Pradesh                                | 2356.716               | 0                                      | 0                  |
|             |   | Haryana                                      | 4675.587               | 0                                      | 0                  |
|             |   | Maharashtra                                  | 280.88                 | 0                                      | 0                  |
|             |   | Chattisgarh                                  | 212.64                 | 0                                      | 0                  |
|             |   | Chandigarh                                   | 2045.23                | 0                                      | 0                  |
|             |   | Tamilnadu                                    | 212.9                  | 0                                      | 0                  |
|             |   | Orissa                                       | 1272.85                | 0                                      | 0                  |
|             |   | Rajasthan                                    | 133.93                 | 0                                      | 0                  |
|             |   | Gujarat                                      | 418.491                | 0                                      | 0                  |
|             |   | Jammu & Kashmir                              | 14.97                  | 0                                      | 0                  |
|             |   | Delhi  | 86.997                 | 0                                      | 0                  |
|             |   | Himachal                                     | 32.29                  | 0                                      | 0                  |
|             |   | Telangana                                    | 16.48                  | 0                                      | 0                  |
|             |   | Jharkhand                                    | 469.37                 | 0                                      | 0                  |
| West Bengal | 59.94   | 0  | 0                      |  |                    |
|             | Madhya Pradesh  | 56   | 0                      | 0                                      |                    |
| 4           | For utilization in co-processing (cement plants)        | 0  | 0                      | Rajasthan                              | 304.88             |
| 5           | For utilization under Rule 9 (other than co-processing) | 0  | 0                      | 0                                      | 0                  |

**Table 24(c): Punjab-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 Kiln | Other than co-processing | Captive Utilization(Other than column 15 & 16) |  | Co-processing in Cement Kiln | Under Rule 9 other than co-processing | Captive Utilization(Other than column 19 & 20) |
| 14     | 15                         | 16   | 17                           | 18                       | 19   | 20   | 21                           |                                       |  |
| 1      | Hoshiarpur                 | 1282.95  | 281.625                      | 0                        | 19935.68                                       | 0  | 0                            | 0                                     | 0  |
| 2      | Shaheed Bhagat Singh Nagar | 3531   | 7.2                          | 0                        | 282.5  | 0  | 0                            | 0                                     | 0  |
| 3      | Amritsar                   | 44.435   | 0                            | 0.6                      | 0.9  | 0  | 0                            | 0                                     | 0  |
| 4      | Patiala                    | 2744.73  | 0                            | 5505.02                  | 0  | 0  | 0                            | 0                                     | 0  |
| 5      | Jalandhar                  | 2112.01  | 0                            | 0                        | 0  | 75.35  | 0                            | 0                                     | 0  |
| 6      | Kapurthala                 | 0  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 7      | SAS Nagar and Roopnagar    | 708.326  | 0                            | 3429.07                  | 0  | 2115.93  | 0                            | 0                                     | 0  |
| 8      | Bathinda                   | 8957.73  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 9      | Mansa                      | 170.352  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 10     | Sri Muktsar Sahib          | 1069.02  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 11     | Batala                     | 0  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 12     | Faridkot                   | 180  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 13     | Moga                       | 431.41   | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 14     | Ferozepur                  | 120.72   | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 15     | Fazilka                    | 0  | 0                            | 0.32                     | 0  | 0  | 0                            | 0                                     | 0  |
| 16     | Sangrur                    | 1052.818   | 0                            | 6328.155                 | 0  | 10153.991  | 0                            | 0                                     | 0  |

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| 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 Kiln | Other than co-processing | Captive Utilization(other than coloumn 15 & 16) |  | Co-processing in Cement Kiln | Under Rule 9 other than co-processing | Captive Utilization(ot her than coloumn 19 & 20) |
|        |                      |  |                              |                          |   |  |                              |                                       |  |
| 17     | Barnala              | 195.518  | 0                            | 3319.61                  | 0   | 0  | 0                            | 0                                     | 0  |
| 18     | Ludhiana-1           | 305.97   | 0                            | 13562.2                  | 0   | 0  | 0                            | 0                                     | 0  |
| 19     | Ludhiana-2           | 1649.65  | 0                            | 135.6                    | 0   | 0  | 0                            | 0                                     | 0  |
| 20     | Ludhiana-3           | 182.93   | 0                            | 0                        | 0   | 0  | 0                            | 0                                     | 0  |
| 21     | Ludhiana-4           | 230.95   | 0                            | 0                        | 0   | 0  | 0                            | 0                                     | 0  |
| 22     | Fatehgarh Sahib      | 1.09   | 0                            | 389.14                   | 0   | 0  | 0                            | 0                                     | 0  |
| 23     | Khanna               | 0  | 0                            | 22.965                   | 0   | 0  | 0                            | 0                                     | 0  |
|        | <b>Total</b>         | <b>24971.609</b>   | <b>288.825</b>               | <b>32692.68</b>          | <b>20219.08</b>                                 | <b>12345.271</b>   | <b>0</b>                     | <b>0</b>                              | <b>0</b>   |

**Table 24(d): Punjab-Details on Hazardous Waste Disposed**

| S.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 Secured Landfill (MT)                 |         | Quantity Disposed through Incinerator (MT) |         |
|       |                            | Common  | Captive | Common                                     | Captive | Common   | Captive | Common                                     | Captive |
|       |                            | 22  | 23      | 24   | 25      | 26   | 27      | 28   | 29      |
| 1     | Hoshiarpur                 | 629.225   | 0       | 3.115                                      | 0       | 0  | 0       | 0  | 0       |
| 2     | Shaheed Bhagat Singh Nagar | 3867.284  | 0       | 7.587                                      | 982.81  | 0  | 0       | 0  | 0       |
| 3     | Amritsar                   | 161.98  | 0       | 6.59                                       | 0       | 0  | 0       | 0  | 0       |
| 4     | Patiala                    | 510.73  | 0       | 456.8                                      | 54.45   | 0  | 0       | 0  | 0       |
| 5     | Jalandhar                  | 4950.461  | 0       | 26.925                                     | 22.53   | 0  | 0       | 0  | 0       |
| 6     | Kapurthala                 | 4.1   | 0       | 138.69                                     | 0       | 0  | 0       | 0  | 0       |
| 7     | SAS Nagar and Roopnagar    | 5453.24   | 0       | 161.4                                      | 1365.5  | 0  | 0       | 0  | 0       |
| 8     | Bathinda                   | 134.92  | 51.9    | 0  | 44.6    | 0  | 0       | 0  | 0       |
| 9     | Mansa                      | 92.08   | 0       | 2.2  | 0       | 0  | 0       | 0  | 0       |
| 10    | Sri Muktsar Sahib          | 12.25   | 0       | 0  | 0       | 0  | 0       | 0  | 0       |
| 11    | Batala                     | 10.985  | 0       | 0  | 0       | 0  | 0       | 0  | 0       |
| 12    | Faridkot                   | 0   | 0       | 0  | 0       | 0  | 0       | 0  | 0       |
| 13    | Moga                       | 27.63   | 0       | 0  | 0.25    | 0  | 0       | 0  | 0       |
| 14    | Ferozepur                  | 0   | 0       | 0  | 0       | 0  | 0       | 0  | 0       |
| 15    | Fazilka                    | 0   | 0       | 0  | 0       | 0  | 0       | 0  | 0       |
| 16    | Sangrur                    | 562.679   | 0       | 66.69                                      | 111     | 0  | 0       | 0  | 0       |
| 17    | Barnala                    | 137.076   | 0       | 0.363                                      | 0       | 0  | 0       | 0  | 0       |
| 18    | Ludhiana-1                 | 5438.7  | 0       | 80.575                                     | 0       | 0  | 0       | 0  | 0       |
| 19    | Ludhiana-2                 | 3067.55   | 0       | 203.42                                     | 0       | 0  | 0       | 0  | 0       |
| 20    | Ludhiana-3                 | 823.92  | 0       | 32.28                                      | 0       | 0  | 0       | 0  | 0       |
| 21    | Ludhiana-4                 | 759.38  | 0       | 152.38                                     | 0       | 0  | 0       | 0  | 0       |
| 22    | Fatehgarh Sahib            | 490.62  | 0       | 0.19                                       | 0       | 0  | 0       | 0  | 0       |

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| S.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 Secured Landfill (MT)                 |          | Quantity Disposed through Incinerator (MT) |          |
|       |                      | Common  | Captive     | Common                                     | Captive       | Common   | Captive  | Common                                     | Captive  |
|       |                      | 22  | 23          | 24   | 25            | 26   | 27       | 28   | 29       |
| 23    | Khanna               | 123.96  | 0           | 0  | 0             | 0  | 0        | 0  | 0        |
|       | <b>Total</b>         | <b>27258.77</b>   | <b>51.9</b> | <b>1339.2</b>                              | <b>2581.1</b> | <b>0</b>   | <b>0</b> | <b>0</b>                                   | <b>0</b> |

**Table 24(e): Punjab-Details on Hazardous Waste Stored at Occupier Premises**

| S.No. | Name of the District       | Total Quantity of HW stored at Occupier premises at the beginning of the financial year i.e. 01.04.2017 (MT) |             |            |            | Total Quantity of HW stored at Occupier premises during the financial year i.e. 1st April to 31st March 2018 (MT) |             |            |            |
|-------|----------------------------|--|-------------|------------|------------|---|-------------|------------|------------|
|       |                            | Landfillable   | Incinerable | Recyclable | Utilizable | Landfillable  | Incinerable | Recyclable | Utilizable |
|       |                            | 30   | 31          | 32         | 33         | 34  | 35          | 36         | 37         |
| 1     | Hoshiarpur                 | 2.12   | 0.6         | 0.4        | 0          | 203.143   | 0.785       | 6.4        | 175.62     |
| 2     | Shaheed Bhagat Singh Nagar | 50.019   | 0.9         | 2.1        | 0          | 277.735   | 2.9         | 6.4        | 0.2        |
| 3     | Amritsar                   | 538.194  | 7.015       | 153.776    | 1.5        | 538.194   | 8.48        | 148.714    | 4.935      |
| 4     | Patiala                    | 580.525  | 304.45      | 2625       | 0          | 1123.194  | 36.38       | 5236.002   | 120.1      |
| 5     | Jalandhar                  | 1874.276   | 21.84       | 287.26     | 0          | 229.385   | 0.945       | 4.36       | 0          |
| 6     | Kapurthala                 | 50.143   | 43.36       | 1.33       | 1.83       | 81.273  | 65.95       | 2.18       | 0.85       |
| 7     | SAS Nagar and Roopnagar    | 823.722  | 315.47      | 157.73     | 787.06     | 875.12  | 257.424     | 144.801    | 972.458    |
| 8     | Bathinda                   | 6058.713   | 208.8       | 7358.64    | 200        | 6058.713  | 208.8       | 7358.64    | 200        |
| 9     | Mansa                      | 90.48  | 1000        | 171.16     | 0          | 90.48   | 1000        | 171.16     | 0          |
| 10    | Sri Muktsar Sahib          | 12.39  | 0           | 1069.09    | 0          | 12.39   | 0           | 1069.09    | 0          |
| 11    | Batala                     | 31.288   | 0           | 0.428      | 0          | 32.355  | 0           | 0.79       | 0          |
| 12    | Faridkot                   | 0.945  | 0           | 0          | 0          | 2.42  | 0           | 0          | 0          |
| 13    | Moga                       | 61.505   | 0           | 34.375     | 2.64       | 43.9054   | 0           | 0          | 2.64       |

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|    |                 |                   |                  |                  |                 |                   |                 |                  |                 |
|----|-----------------|-------------------|------------------|------------------|-----------------|-------------------|-----------------|------------------|-----------------|
| 14 | Ferozepur       | 0.726             | 0                | 0                | 0               | 0.726             | 0               | 0                | 0               |
| 15 | Fazilka         | 6.93              | 0                | 1.195            | 0               | 8.85              | 0               | 1.195            | 0.32            |
| 16 | Sangrur         | 139.5787          | 179.675          | 987.466          | 43.518          | 99.4877           | 44.642          | 258.112          | 23.363          |
| 17 | Barnala         | 112.843           | 0.2962           | 25.694           | 0               | 141.974           | 0.102           | 16.319           | 0               |
| 18 | Ludhiana-1      | 126.53            | 8.2              | 37.73            | 4.8             | 24.17             | 6.500           | 1128             | 15.7            |
| 19 | Ludhiana-2      | 456.6             | 36.4             | 214.2            | 0               | 255.4             | 18.3            | 138.6            | 0               |
| 20 | Ludhiana-3      | 163.12            | 12.28            | 24.6             | 0               | 172               | 20              | 24.6             | 0               |
| 21 | Ludhiana-4      | 138.57            | 12.31            | 21.22            | 0               | 261.705           | 65.26           | 36.64            | 0               |
| 22 | Fatehgarh Sahib | 535.08            | 0.34             | 10.58            | 0               | 1762.295          | 0.56            | 65.4             | 309.75          |
| 23 | Khanna          | 207.2             | 0                | 3.2              | 0               | 615.3             | 0               | 6.69             | 36.925          |
|    | <b>Total</b>    | <b>12061.4977</b> | <b>2151.9362</b> | <b>13187.174</b> | <b>1041.348</b> | <b>12910.2151</b> | <b>1737.028</b> | <b>15824.093</b> | <b>1862.861</b> |

**Table 24(f): Punjab-Details on Recycling / Utilization/Co-Processing of Hazardous Waste**

| Sr. No.  | Type of Recycling Facilities   | Total No. of Facilities authorized for recycling / Utilization / co-processing of HW | Total Authorized Capacity (MTA) | Total Quantity Recycled/ Utilized / Co-processed (MT) |
|----------|--|--|---------------------------------|---|
| <b>A</b> | <b>Commonly recyclable HW</b>  | 0  | 0                               | 0   |
| <b>1</b> | Brass Dross  | 1  | 2250                            | 0   |
| <b>2</b> | Zinc Bearing Wastes  | 32   | 79654.2                         | 20545.852   |
| <b>3</b> | Copper Bearing Waste   | 0  | 0                               | 0   |
| <b>4</b> | Spent Catalyst containign nickel, cadmium, Zinc, copper, arsenic, vanadium and cobatt. | 0  | 0                               | 0   |
| <b>5</b> | Lead bearing waste including battery waste   | 56   | 43412.72                        | 6891.279  |
| <b>6</b> | E-waste  | 0  | 0                               | 0   |
| <b>7</b> | Paint and ink Sludge/ residues   | 1  | 150                             | 37.419  |
| <b>8</b> | Used Oil   | 13   | 46208.4                         | 2689.834  |
| <b>9</b> | Waste Oil  | 1  | 13800                           | 5800  |
|          | <b>Total</b>   | <b>104</b>   | <b>185475.32</b>                | <b>35964.384</b>                                      |

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| Sr. No.  | Type of Recycling Facilities   | Total No. of Facilities authorized for recycling / Utilization / co-processing of HW | Total Authorized Capacity (MTA) | Total Quantity Recycled/ Utilized / Co-processed (MT) |
|----------|--|--|---------------------------------|---|
| <b>B</b> | <b>Utilization of HW under Rule 9</b>  | 0  | 0                               | 0   |
| <b>1</b> | Recovery of solvents from spent solvents   | 1  | 2100                            | 961   |
| <b>2</b> | Utilization of APCD Dust/ Residue generated from LD Furnace/ EAF/ Blast Furnace for producing cold briquetts for use in blast furnace for production of Pig iron | 1  | 6000                            | 389.14  |
| <b>3</b> | Utilization of Spent H <sub>2</sub> SO <sub>4</sub> generated from pickling operations for manufacturing Ferrous Sulphate  | 2  | 62400                           | 13440   |
| <b>4</b> | Utilization of Spent Acid containing Molybdenum generated from filament industries for producing Molybdenum Trioxide by heating process.                         | 1  | 165                             | 161.86  |
| <b>5</b> | De-contamination of contaminated drums/ containers / barrels   | 4  | 2293.77                         | 61614.69  |
| <b>6</b> | Utilization of process sludge and primary ETP sludge generated from Pulp & Paper Industries for producing Paper Board/ Mill Board/ Card Board.                   | 6  | 47450                           | 30196.081   |
| <b>7</b> | Utilization of spent fixer (Hypo) solution generated from Photography / X-rays films to recover silver metal.  | 1  | 60                              | 17.395  |
|          | <b>Total</b>   | <b>16</b>  | <b>120468.77</b>                | <b>106780.166</b>                                     |
| <b>C</b> | <b>Co-processing in Cement Plants</b>  | 2  | 300.2                           | 288.9   |
|          | <b>Total</b>   | <b>2</b>   | <b>300.2</b>                    | <b>288.9</b>  |



**Table 24(g): Punjab-List of Authorized Recyclers/ Utilizers/Co-processors of Hazardous Waste**

| S.No. | Name and Address of the Facility  | Type of Hazardous Waste Authorized for Recycling | Authorized Recycling / Utilization/ Co-processing Capacity (MTA) | Quantity Recycled Utilized/ Co-Processed (MT) |
|-------|---|--|--|---|
| 1     | M/s Kuantum Papers Ltd (formally known as ABC Paper Mills), Saila Khurd, Tehsil Garhshankar, Hoshiarpur | 32.3   | 25500  | 20682.625                                     |
| 2     | M/s Shreyans Industries Ltd., Balachaur Ropar Road, Vill. Banah, Nawanshahr                             | 32.3   | 350  | 272.48  |
| 3     | M/s Kay Chemical Industries, 430, Focal Point, Amritsar   | Zinc Ash   | 15.000   | 4.967   |
| 4     | M/s B.B. Chemical Industry, Batala Road, Amritsar   | Zinc Ash   | 18.000   | 9.501   |
| 5     | M/s Shambu Nath Chemicals Works, Seth Jagat Bandhu Road, Old Jail Road, Amritsar                        | Zinc Ash   | 5.300  | 3.117   |
| 6     | M/s Jay Jay Chemical, 262-East Mohan Nagar, Amritsar  | Zinc Ash   | 1.500  | 0.475   |
| 7     | M/s Kissan Zinc (P) Ltd, East Mohan Nagar, Amritsar   | Zinc Ash   | 9.000  | 4.251   |
| 8     | M/s Randeep Paper Board Mills (Chemical Divisions) Tarn Taran Road, Amritsar                            | Zinc Ash   | 12.400   | 4.870   |
| 9     | M/s Sardar Agro Industry, 261, Focal Point, Amritsar  | Zinc Ash   | 4.500  | 1.580   |
| 10    | M/s Noor Chemical Industries, Village- Bal Kalan, Majitha Road, Amritsar                                | Zinc Ash   | 1.500  | 0.720   |
| 11    | M/s G.R.P. Industries, Plot No. E-60, New Focal Point, Mehta Road, Amritsar                             | Lead Battery Plates / Lead Scrap                 | 1.200  | 0.527   |
| 12    | M/s Hero Battery Inds, 358-Focal Point, Amritsar  | Lead Battery Plates / Lead Scrap                 | 0.600  | 0.330   |

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| S.No. | Name and Address of the Facility  | Type of Hazardous Waste Authorized for Recycling             | Authorized Recycling / Utilization/ Co-processing Capacity (MTA) | Quantity Recycled Utilized/ Co-Processed (MT)             |
|-------|---|--|--|---|
| 13    | M/s Shiv Shakti Enterprises, Dhapai Road, Near- Chaudhry Farm House, Amritsar   | Lead Battery Plates / Lead Scrap                             | 0.015  | 0.010   |
| 14    | M/s M.T. Metal, Ibban Kalan, Chabhal Road, Amritsar.  | Lead Battery Plates / Lead Scrap                             | 1.200  | 0.700   |
| 15    | M/s Standard Engg, (Now Known as Standard Smelters) Fatehgarh Churian Road, Amritsar  | Lead Battery Plates / Lead Scrap                             | 0.150  | 0.075   |
| 16    | M/s "Jyoti Chemicals & Fertilizers, PATIALA ROAD, SAMANA, Distt. Patiala"   | Zinc skimmings/ zinc ash                                     | 3200   | Nil, as the industry is lying temporary closed.           |
| 17    | M/s The Malwa Industrial & Marketing Ferti-chem Co. Operative Society Ltd. (Lessee Parry Fertilizer India Ltd.,) Distt. Patiala | Zinc skimmings/ zinc ash                                     | 810  | Nil, as informed by the industry.                         |
| 18    | M/s Shiv Shankar Enterprises, 38, Industrial Estate, Rajpura  | Lead acid battery plates and other lead scrap/ashes/residues | 305  | Nil, as the unit is yet not taken in operation by the PP. |
| 19    | M/s Navjyoti Chemical & Fertilizer Ltd., PATIALA ROAD, Samana, Distt. Patiala   | Zinc skimmings/ zinc ash                                     | 1260   | Nil, as the industry is lying temporarily closed.         |
| 20    | M/s Luxmi Chemicals & Fertilizers, Village Bahmna, Bhawanigarh Road, samana, Distt. Patiala.                                    | Zinc skimmings/ zinc ash                                     | 2676   | 99.87   |
| 22    | M/s J.K Trading Co. D-51-52 Sports & Surgical Complex, Jalandhar  | used Oil   | 2208   | 449.88  |
|       | M/s United Petrochem Industries, Sangal Sohal road, Basti Peer Dad Khan, Jalandhar.   | used Oil   | 17204  | 543.45  |

## National Inventory Report on Hazardous Waste Generation and Its Management (2017-18)

| S.No. | Name and Address of the Facility  | Type of Hazardous Waste Authorized for Recycling | Authorized Recycling / Utilization/ Co-processing Capacity (MTA) | Quantity Recycled Utilized/ Co-Processed (MT) |
|-------|---|--|--|---|
| 24    | M/s Priya Chemicals and allide industry, Suranussi, G.T Road jalandhar                    | used Oil   | 1416.4   | 10.58   |
| 25    | M/s A.K INDUSTRIES.,8/3 INDL. ESTATE, JALANDHAR   | Lead bearing waste including batteries waste     | 250  | 25  |
| 26    | M/s A.R. INDUSTRIES UNIT I,51-A, BEHIND INDUSTRIAL ESTATE JALANDHAR                       | Lead bearing waste including batteries waste     | 300  | 130   |
| 27    | M/s A.R. INDUSTRIES UNIT-II, FLOW BEHIND INDUSTRIAL ESTATE JALANDHAR                      | Lead bearing waste including batteries waste     | 250  | 159   |
| 28    | M/s ACTION BATTERIES, UNIT II,D-79, FOCAL POINT, JALANDHAR                                | Lead bearing waste including batteries waste     | 500  | 88.5  |
| 29    | M/s GEE EMM INDUSTRIES,50-A, INDUSTRIAL ESTATE, PATHANKOT ROAD, BYE PASS, ROAD, JALANDHAR | Lead bearing waste including batteries waste     | 300  | 215.6   |
| 30    | M/s IMPERIAL ALLOYS INDS.,GALI .NO.5 UDYOG NAGAR RANDHAWA .MASANDHA                       | Lead bearing waste including batteries waste     | 300  | Nil   |
| 31    | M/s J.J. ENTERPRISES,VPO RANDHAWAN MASANDAN, UDYOG NAGAR, DISTT. JALANDHAR                | Lead bearing waste including batteries waste     | 250  | 120   |
| 32    | M/s JASPREET & CO,DHOGRI ROAD, NEAR MURGIKHANA, JALANDHAR                                 | Lead bearing waste including batteries waste     | 250  | Nil   |
| 33    | M/s KAYCEE BATTERIES & ALLOYS (P) LTD,H-18, INDUSTRIAL AREA, JALANDHAR                    | Lead bearing waste including batteries waste     | 500  | Nil   |

## National Inventory Report on Hazardous Waste Generation and Its Management (2017-18)

| S.No. | Name and Address of the Facility   | Type of Hazardous Waste Authorized for Recycling | Authorized Recycling / Utilization/ Co-processing Capacity (MTA) | Quantity Recycled Utilized/ Co-Processed (MT) |
|-------|--|--|--|---|
| 34    | M/s KUNAL METAL INDUSTRY UNIT II, BACKSIDE FOCAL POINT TRANSPORT NAGAR, JALANDHAR        | Lead bearing waste including batteries waste     | 250  | Nil   |
| 35    | M/s PARAMOUNT ALLOY COMPANY,, VILLAGE DHOGRI JALANDHAR                                   | Lead bearing waste including batteries waste     | 300  | Nil   |
| 36    | M/s Raj Dev Industries, Globe Colony, Jalandhar  | Lead bearing waste including batteries waste     | 300  | 130   |
| 37    | M/s S.K. METALS, RANDHAWA MASNDAN, UDYOG NAGAR, JALANDHAR                                | Lead bearing waste including batteries waste     | 300  | 20  |
| 38    | M/s SAMRATH METAL CO. Udyog Nagar, VPO. Randhawa Masanda Backside Focal Point, Jalandhar | Lead bearing waste including batteries waste     | 300  | 79  |
| 39    | M/s VINAYAK INDUSTRIAL CORP., CANAL ROAD, INDL. AREA, JALANDHAR                          | Lead bearing waste including batteries waste     | 300  | Nil   |
| 40    | M/s J.S Metal Works, Street no.5 Near Shubh Kanda, VPO Gadaipur, Jalandhar               | Lead bearing waste including batteries waste     | 300  | 40  |
| 41    | M/s Charan Industry F-8, Focal Point, Jalandhar  | Lead bearing waste including batteries waste     | 300  | 15  |
| 42    | M/s Joginder Elelctricals & Auto Parts VPO. Panjdhera, Goindwal Road, Phillaur jalandhar | Lead bearing waste including batteries waste     | 250  | 28  |
| 43    | M/s Sethi Brothers Industrties, Street No. 9 VPO. Randhawa Masanda Jalandhar             | Lead bearing waste including batteries waste     | 500  | 20  |
| 44    | M/s ZINC CHEM ( FORMALLY DILSHER CHEMICALS) 82-AMAR GARDEN KAMAL PARK, JALANDHAR         | Zinc beairng waste                               | 162  | 38  |

## National Inventory Report on Hazardous Waste Generation and Its Management (2017-18)

| S.No. | Name and Address of the Facility   | Type of Hazardous Waste Authorized for Recycling  | Authorized Recycling / Utilization/ Co-processing Capacity (MTA) | Quantity Recycled Utilized/ Co-Processed (MT) |
|-------|--|---|--|---|
| 45    | M/s Ambuja Cement Ltd , Post Office, Rabriyaswas Tehsil Jaitaran, Distt Pali Rajasthan | Paint Sludge  | -  | 15.180 From RCF Kapurthala                    |
| 46    | M/s B.B Industries., Village Bhagwanpur, Tehsil Dera Bassi, Distt. SAS Nagar.          | Lead Bearing waste including battery waste  | 1500   | Nil (industry is yet to be commissioned)      |
| 47    | M/s J.C. Chemicals ,Village Saidpura, Tehsil Dera Bassi                                | Recovery of solvents from spent solvent   | 2100   | 961   |
| 48    | M/s Golden Petro, C-45. IFP, Chanalon  | Recycling of used oil   | 2400   | 487.178                                       |
| 49    | M/s Enviro clean, #129, Phase 9, Mohali  | De-contamination of contaminated drums/ containers/ barrels   | 1050   | 430.101                                       |
| 50    | M/s M.S Polymers, E-104, Focal Point, Chanalon, Kurali                                 | Pant and ink sludge/ residue  | 150  | 37.419  |
| 51    | M/s Philips Electronics India Ltd, Phase 9, Mohali                                     | Utilisation of spent acid containing Molybdenum generated from filament industries for producing molybdenum trioxide by heating process | 165  | 161.86  |
| 52    | M/s Chhikara Industries, Focal Point, Dera Bassi.                                      | Lead Bearing waste including battery waste  | 4500   | 2000  |
| 53    | M/s Dashmesh Solvex, Village Gharuan, Kharar   | Zinc Ash from galvanizing industry  | 15   | Nil (industry is yet to be commissioned)      |
| 54    | M/s Raja Enterprises, Industrial Growth Centre, Mansa Road, Bathinda                   | Lead Bearing waste including battery waste  | 1500   | 900   |
| 55    | M/s Shiva Electronics, Ramdittewala Road, Tehsil & Distt. Mansa                        | Lead Bearing waste including battery waste  | 500  | 225   |

## National Inventory Report on Hazardous Waste Generation and Its Management (2017-18)

| S.No. | Name and Address of the Facility   | Type of Hazardous Waste Authorized for Recycling  | Authorized Recycling / Utilization/ Co-processing Capacity (MTA) | Quantity Recycled Utilized/ Co-Processed (MT) |
|-------|--|---|--|---|
| 56    | M/s Sant Metal Industries, Seikhu Road, Malout, Distt. Sri Muktsar Sahib             | Lead Bearing waste including battery waste  | 500  | 250   |
| 57    | M/s S.S. Udyog, Plot no B-91, Focal Point, Malout, Distt. Sri Muktsar Sahib          | Lead Bearing waste including battery waste  | 500  | 250   |
| 58    | M/s Shiv Shakti Udyog, Seikhu Road, Malout, Distt. Sri Muktsar Sahib                 | Lead Bearing waste including battery waste  | 1000   | 500   |
| 59    | M/s Dhamija Metals Industries, D-34, Focal Point, Malout, Distt. Sri Muktsar Sahib   | Lead Bearing waste including battery waste  | 1500   | 250   |
| 60    | M/s Alloys & Allied Enterprises, S-48, Focal Point, Malout, Distt. Sri Muktsar Sahib | Lead Bearing waste including battery waste  | 1500   | 0   |
| 61    | M/s Om Shakti Smelters, Lambi Road, Gidderbaha, Distt. Sri Muktsar Sahib             | Lead Bearing waste including battery waste  | 1500   | 400   |
| 62    | M/s R.V. Metals Industries, Village Kotli Devan, Distt. Sri Muktsar Sahib            | Lead Bearing waste including battery waste  | 700  | 0   |
| 63    | M/s Bansal Paper Board Mills, Village Mahabadhar, Distt. Sri Muktsar Sahib           | Utilization of process sludge and primary ETP sludge generated from Pulp & Paper Industries for producing paper Board / Mill Board / Card Board | 0  | 0   |
| 64    | M/s Sant Mix Board, Pharwahi Road, Bhikhi, Distt. Mansa                              | Utilization of process sludge and primary ETP sludge generated from Pulp & Paper Industries for producing paper Board / Mill Board / Card Board | 3600   | 2949.5  |

## National Inventory Report on Hazardous Waste Generation and Its Management (2017-18)

| S.No. | Name and Address of the Facility   | Type of Hazardous Waste Authorized for Recycling | Authorized Recycling / Utilization/ Co-processing Capacity (MTA) | Quantity Recycled Utilized/ Co-Processed (MT) |
|-------|--|--|--|---|
| 65    | M/s Lakhdata Petro Chemicals, Refinery Road, Village Ramsra, Distt. Bathinda                                   | Used Oil & Waste Oil                             | 13800  | 5800  |
| 66    | M/s Dashmesh Metal, Village Jammu Kulian, Tehsil & Distt. Pathankot  | Lead Battery Plates / Lead Scrap                 | 720  | 20  |
| 67    | M/s Balaji Industries, C-3A, Focal Point- Kotkapura, Distt. Faridkot   | Zinc Ash   | 2160   | 0   |
| 68    | M/s Sardar Chemfert Industries, Seed Farm Road, Abohar, Distt. Fazilka   | Zinc Ash   | 500  | 1.92  |
| 69    | M/s S.K. Metal, Near Focal Point, Kotakpura, Distt. Faridkot.  | lead acid battery plates/lead scrap/ashes        | 120  | 0   |
| 70    | M/s Sukhwindra Industry, Near Focal Point, Kotakpura, Distt. Faridkot.   | lead acid battery plates/lead scrap/ashes        | 288  | 7   |
| 71    | M/s Shubham Power Pack Products, VPO Khosa Pando, Distt. Moga.   | lead acid battery plates/lead scrap/ashes        | 180  | 0.502   |
| 72    | M/s Gursewak Oil Industry, D-5p, Industrial Focal Point, Abohar, Distt. Fazilka                                | Used Oil   | 1500   | 160   |
| 73    | M/s. Lalit Chemicals & Fertilizers Industries, Lehragaga, Distt. Sangrur.                                      | Zinc Dross/Skimming/Ash (Catg. No. 6.2)          | 3000   | 0   |
| 74    | M/s Green Globe Chemicals, Village Ganota, Tohana Road, PO Rampur Gujran, Moonak, Tehsil Sunam, Distt. Sangrur | Zinc Dross/Skimming/Ash (Catg. No. 6.2)          | 2400   | 0   |
| 75    | M/s. Indian Phosphate & Carbonates Mfg co, Pawara Road, Moonak, Distt. Sangrur.                                | Zinc Dross/Skimming/Ash (Catg. No. 6.2)          | 2000   | 1839.164                                      |

## National Inventory Report on Hazardous Waste Generation and Its Management (2017-18)

| S.No. | Name and Address of the Facility  | Type of Hazardous Waste Authorized for Recycling        | Authorized Recycling / Utilization/ Co-processing Capacity (MTA) | Quantity Recycled Utilized/ Co-Processed (MT) |
|-------|---|---|--|---|
| 76    | M/s. Shri Ram Chemicals Industries, Sangrur Road, Dhuri, Distt. Sangrur.              | Zinc Dross/Skimming/Ash (Catg. No. 6.2)                 | 5000   | 532.78  |
| 77    | M/s. Bhoomi Sudhar Chemicals Industries, Focal Point, Sangrur .                       | Zinc Dross/Skimming/Ash (Catg. No. 6.2)                 | 7000   | 2238.092                                      |
| 78    | M/s. Gupta Smelters (P) Ltd., C-48 , Industrial Focal Point, Sangrur.                 | Zinc Dross/Skimming/Ash (Catg. No. 6.2) and Brass Dross | Zinc Dross- 4500 Brass Dross- 2250                               | 1572.564                                      |
| 79    | M/s. Shree Ram Agro, Bagrian Road, Dhuri, Distt Sangrur                               | Zinc Dross/Skimming/Ash (Catg. No. 6.2)                 | 750  | 119   |
| 80    | M/s Luxmi Agro Chemicals, Longowal Distt. Sangrur                                     | Zinc Dross/Skimming/Ash (Catg. No. 6.2)                 | 1200   | 0   |
| 81    | M/s. Suraj Fine Chemical Mfg. Co., Papran Road, Moonak, Distt. Sangrur.               | Zinc Dross/Skimming/Ash (Catg. No. 6.2)                 | 3750   | 1560.823                                      |
| 82    | M/s. Moonak Fertilizer, Dehla Road, Moonak, Distt. Sangrur.                           | Zinc Dross/Skimming/Ash (Catg. No. 6.2)                 | 2170   | 1888.534                                      |
| 83    | M/s. Ganesh Fertichem India Pvt. Ltd., D/51-52, Industrial Focal Point, Sangrur.      | Zinc Dross/Skimming/Ash (Catg. No. 6.2)                 | 6000   | 1052.712                                      |
| 84    | M/s. Ganesh Chemical & Fertilizers VPO Rampura, Bhawanigarh, Distt. Sangrur           | Zinc Dross/Skimming/Ash (Catg. No. 6.2)                 | 1200   | 0   |
| 85    | M/s. Malwa Fertilizers, Pawara Road, Moonak, Distt. Sangrur.                          | Zinc Dross/Skimming/Ash (Catg. No. 6.2)                 | 2000   | 1691.579                                      |
| 86    | M/s Ganesh Zinc Industries Pvt. Ltd., Plot no. 3,4,5 Focal Point, Sunam Road, Sangrur | Zinc Dross/Skimming/Ash (Catg. No. 6.2)                 | 8700   | 1892.096                                      |



## National Inventory Report on Hazardous Waste Generation and Its Management (2017-18)

| S.No. | Name and Address of the Facility  | Type of Hazardous Waste Authorized for Recycling | Authorized Recycling / Utilization/ Co-processing Capacity (MTA) | Quantity Recycled Utilized/ Co-Processed (MT) |
|-------|---|--|--|---|
| 87    | M/s. Ganesh Agro B-7 Focal Point, Sangrur.  | Zinc Dross/Skimming/Ash (Catg. No. 6.2)          | 3780   | 1846.62                                       |
| 88    | M/s. Moonak Chemical Industries, Dehla Road, Moonak, Distt. Sangrur.                          | Zinc Dross/Skimming/Ash (Catg. No. 6.2)          | 400  | 283.51  |
| 89    | M/s. Laurus Industries Pvt. Ltd. (previously Gupta Agri Care) , B-12/13 Focal Point, Sangrur. | Zinc Dross/Skimming/Ash (Catg. No. 6.2)          | 6000   | 1485.308                                      |
| 90    | M/s. Ganpati Agro Care, Mannwala Road, Village Benra, Tehsil Dhuri, Distt.                    | Zinc Dross/Skimming/Ash (Catg. No. 6.2)          | 9000   | 1004.6  |
| 91    | M/s. Menon Board Mills, Sangrur Road, Sunam, Distt. Sangrur.                                  | Paper ETP sludge (Catg. No. 32.3)                | 12000  | 3369.076                                      |
| 92    | M/s. Dirba Paper Production Pvt. Ltd., Dirba, Distt. Sangrur.                                 | Paper ETP sludge (Catg. No. 32.3)                | 3000   | 1923.16                                       |
| 93    | M/s Shiv Shakti Paper Mills, Bhawanigarh  | Paper ETP sludge (Catg. No. 32.3)                | 3000   | 981.82  |
| 94    | M/s. Asha Metal Industries, Bhaini Jassa Road, Handiaya, Distt. Barnala.                      | Lead Battery Plates                              | 750  | 0   |
| 95    | M/s. Luxmi Metal, Saroud Road, Malerkotla, Distt. Sangrur.                                    | Lead Battery Plates                              | 2375   | 0   |
| 96    | M/s. Nipun Metal Industries, C-23 , industrial Focal Point, Sangrur.                          | Lead Battery Plates                              | 750  | 0   |
| 97    | M/s. Shiv Shakti Enterprises, C-45, industrial Focal Point, Sangrur.                          | Lead Battery Plates                              | 1800   | 130.667                                       |
| 98    | M/s Shaurya Alloys Pvt. Ltd., Village Akbarpur Channa, Ahmedgarh, Distt. Sangrur              | Lead Battery Plates                              | 2400   | 0   |

National Inventory Report on Hazardous Waste Generation and Its Management (2017-18)

| S.No. | Name and Address of the Facility  | Type of Hazardous Waste Authorized for Recycling                           | Authorized Recycling / Utilization/ Co-processing Capacity (MTA) | Quantity Recycled Utilized/ Co-Processed (MT) |
|-------|---|--|--|---|
| 99    | M/s. Puneet Refinery C-4 Focal Point, Sangrur   | Used/Spent oil Catg. No. 5.1)  | 3600   | 111   |
| 100   | M/s Malana Silver Nitrate Recycling Unit, Village Rampur Gujran, Tehsil Moonak, Sangrur                     | Hyp solution generated from photography/xray films to recover silver metal | 60   | 17.395  |
| 101   | M/s Aggarwal Manufacturing Company, Plot No.10, Opp. Aarti Steel, Friends Indl Estate, Focal Point,Ludhiana | Used Oil   | 1200.000   | 305.970                                       |
| 102   | M/s JBR Technology (P) Ltd. Unit-II (H2SO4), Kohara Machhiwara RoadLudhiana                                 | Spent (H2SO4)  | 60000.000  | 12000   |
| 103   | M/s Fertichem Plant Shakti Agro Pvt. Ltd.Village Rayian, Kohara Machhiwara RoadLudhiana                     | Spent (H2SO4)  | 2400.000   | 1440  |
| 104   | M/s A.G Plstic Industries, Plot No. 1210/4, Phase-4, Focal Point, Ludhiana                                  | Reprocessing of waste plastic Containers                                   | 4200.000   | 0   |
| 105   | M/s J.S PlasticVill Nichi Mangli, Chandigarh RoadLudhiana   | Reprocessing of waste plastic Containers                                   | 148.500  | 117   |
| 106   | M/s Dashmesh Industries, B-1228/27, Sua Road, DhandariKalan, Industrial Area-C, Ludhiana.                   | Lead Bearing waste including battery waste                                 | 720  | Closed  |
| 107   | M/s Guru Metal Works, Industrial Area-C, DhandariKalan, Ludhiana.   | Lead Bearing waste including battery waste                                 | 600  | 47.6  |
| 108   | M/s Jyoti Industries, DhandariKalan, Industrial Area-C, Ludhiana.   | Lead Bearing waste including battery waste                                 | 720  | 55.08   |
| 109   | M/s Sapra Industries, Industrial Area-C, DhandariKalan, Ludhiana.   | Lead Bearing waste including battery waste                                 | 200  | Closed  |

National Inventory Report on Hazardous Waste Generation and Its Management (2017-18)

| S.No. | Name and Address of the Facility   | Type of Hazardous Waste Authorized for Recycling            | Authorized Recycling / Utilization/ Co-processing Capacity (MTA) | Quantity Recycled Utilized/ Co-Processed (MT) |
|-------|--|---|--|---|
| 110   | M/s Amar Battery Industries, DhandariKalan, Ludhiana.  | Lead Bearing waste including battery waste                  | 240  | 137.92  |
| 111   | M/s Jospatro Unit-2, Vill. Jugiana, G.T. Road, Ludhiana.   | Recycling of used oil                                       | 1860   | Closed  |
| 112   | M/s Lucky Steel Works, Village Jugiana. G.T. Road, Ludhiana  | De-contamination of contaminated drums/ containers/ barrels | 750  | 132.2   |
| 113   | M/s Lucky Steel Works (Unit-II), B-21-796/4, Industrial Area-B Ludhiana  | De-contamination of contaminated drums/ containers/ barrels | 900  | 3.4   |
| 114   | M/s D.D. Agro Industries Ltd., Industrial Area-C, Ludhiana   | Zinc Bearing Wastes   | 7300   | 1409.05                                       |
| 115   | M/s OM Udyog, E-403, Focal Point, Phase-6, Ludhiana  | Used Oil (Cat. 5.1)   | 2000   | 0 (the industry is lying closed)              |
|       |  | Empty containers (33.1)                                     | 0  | 0 (the industry is lying closed)              |
| 116   | M/s Satkar Oil Company, D-177, Phase-6, Focal Point, Ludhiana.   | Used Oil (Cat. 5.1)   | 900  | 108   |
| 117   | M/s Vass International, Phase-7, Focal Point, Ludhiana.  | Lead bearing waste (Cat. 9.1)                               | 1200   | 109.8   |
| 118   | M/s Shiva Traders, E_503, Phase-6, Focal Point, Ludhiana   | Used Oil (Cat. 5.1)   | 1800   | 199.496                                       |
| 119   | M/s Aastha Refinery, Tajpur Road, Bhamian Kalan, Ludhiana  | Used oil  | 1566   | 146.09  |
| 120   | M/s Madhav Alloys Pvt. Ltd. (Waste Recycling Division), Vill. Bhagwanpura, Tehsil Amlloh, Distt. Fatehgarh Sahib | APCD dust from induction furnace                            | 6000   | 389.14  |

## National Inventory Report on Hazardous Waste Generation and Its Management (2017-18)

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|-------|---|--|--|---|
| 121   | M/s BRS Lubricants, D-57, Focal Point, Mandi Gobindgarh   | Used oil   | 6000   | 70  |
| 122   | M/s Mahadev Petrochemicals, Plot No. D-116, Focal Point, Mandi Gobindgarh, Distt. Fatehgarh Sahib | Used oil   | 4800   | 0   |
| 123   | M/s New Power Metals & Alloys, Near Aastha Mill, Ambey Majra, Mandi Gobindgarh                    | Lead Acid battery                                | 5000   | 9.278   |
| 124   | M/s New Power Inds., D-10, Focal Point, Mandi Gobindgarh  | Lead Acid battery                                | 300  | 23.456  |
| 125   | M/s Bishamber Nath & Sons, G.T. Road, Sirhind Side, Mandi Gobindgarh.                             | Lead Acid battery                                | 210  | 54.518  |
| 126   | M/s The Shivom Gram Udyog Samiti, E-17, 18, Focal Point, Mandi Gobindgarh                         | Lead Acid battery                                | 1200   | 41.695  |
| 127   | M/s Dashmesh Batteries and Metal Industries, D-96, Focal Point, Khanna, Ludhiana                  | Lead Acid battery                                | 600  | 69.13   |

**Table 24(h): Punjab-Details of Hazardous waste disposed in Common TSDF(s)**

| 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 Pre-Processed for utilization (MT) | Quantity in Stock at the end of the year (MT) |             | Cumulative HW disposed in SLF by the end of financial year (MT) | Capacity           |                   |                 |
|-------|--|---|-------------|--|------------------------------|------------------|---|-------------------------------------|----------------------|---|---|-------------|---|--------------------|-------------------|-----------------|
|       |  | Land fillable                                       | Incinerable | For Direct landfill                        | For Landfill after treatment | For Incineration | Quantity Landfilled directly              | Quantity Landfilled after treatment | Quantity Incinerated |   | Landfillable                                  | Incinerable |   | Incinerator (KCal) | Incinerator (T/H) | Landfill (MT/A) |
| 1     | M/s Ramky Enviro Engineers Ltd., Punjab Waste Management Project, Village Nimbua, P.O. Rampur, Sainian | 2511.546  | 112.902     | 1066.057                                   | 26429.832                    | 1306.018         | 1109.701                                  | 26351.764                           | 1372.057             | 0   | 2645.97                                       | 46.906      | INP   | INP                | INP               | INP             |

**Table 24(i): Punjab-Details of Hazardous waste disposed in Captive TSDF(s)**

| S. No. | Name and Address of Captive facility                  | Type of facility (landfillable/Incinerable/both) | Capacity          |                 | HW disposed during the year | Cumulative HW disposed till the end of financial year |
|--------|---|--|-------------------|-----------------|-----------------------------|---|
|        |   |  | Incinerator (T/H) | Landfill (MT/A) |                             |   |
| 1      | HPCL Mittal Energy Ltd., Phulo Khari, Distt. Bathinda | Landfillable                                     | --                | 20,000          | Nil                         | 51.9  |

INP: Information Not Provided

**25.**  
**RAJASTHAN**  
**(Hazardous waste generation and its Management)**

Table 25(a): Rajasthan-Details of Hazardous waste Generation

| S.No. | Name of the District | Number of HW Generating Industry | Authorized Quantity of Hazardous Waste (Metric Tonne) |             |            |            | Quantity of Hazardous Waste generated as per Annual Return within the State/UT (Metric Tonne) |             |            |            | Quantity of HW imported during the year (Metric Tonne) | Quantity of HW exported during the year (Metric Tonne) |
|-------|----------------------|----------------------------------|---|-------------|------------|------------|---|-------------|------------|------------|--|--|
|       |                      |                                  | Landfillable  | Incinerable | Recyclable | Utilizable | Landfillable  | Incinerable | Recyclable | Utilizable |  |  |
|       |                      |                                  | 1   | 2           | 3          | 4          | 5   | 6           | 7          | 8          |  |  |
| 1     | Ajmer                | 29.00                            | 168.16  | 220826.00   | 152.60     | 907339.10  | 0.12  | 88.68       | 96.34      | 8.20       | 4597.63  | 0.00   |
| 2     | Alwar                | 298.00                           | 30152.16  | 3743.02     | 12223.40   | 20781.68   | 5895.08   | 877.30      | 2234.87    | 15131.67   | 1701.73  | 0.00   |
| 3     | Banswara             | 7.00                             | 670.00  | 1916.00     | 5.00       | 0.00       | 295.45  | 92.18       | 3.91       | 2316.18    | 0.00   | 0.00   |
| 4     | Baran                | 4.00                             | 426.27  | 1.00        | 212.85     | 0.00       | 1.95  | 0.00        | 35.65      | 0.00       | 0.00   | 0.00   |
| 5     | Barmer               | 62.00                            | 247768.86   | 0.00        | 8.49       | 0.00       | 23779.65  | 8.49        | 0.00       | 9932.00    | 0.00   | 0.00   |
| 6     | Bharatpur            | 5.00                             | 120.00  | 2.30        | 2405.04    | 0.00       | 26.29   | 0.80        | 5.47       | 0.00       | 0.00   | 0.00   |
| 7     | Bhilwara             | 49.00                            | 3048.00   | 31558.43    | 950.87     | 2966.20    | 2884.02   | 2.04        | 2691.08    | 1124.14    | 0.00   | 1276.75  |
| 8     | Bikaner              | 5.00                             | 0.99  | 0.00        | 2553.15    | 0.00       | 0.66  | 0.00        | 90.18      | 0.00       | 0.00   | 7.98   |
| 9     | Bundi                | 4.00                             | 328.01  | 1000.00     | 64.34      | 0.00       | 125.80  | 0.00        | 15.88      | 0.14       | 0.00   | 0.00   |
| 10    | Chittorgarh          | 21.00                            | 15945.00  | 390.00      | 26069.00   | 3150.00    | 304132.28   | 98.00       | 14621.00   | 20986.96   | 154307.04  | 0.00   |
| 11    | Churu                | 0.00                             | 0.00  | 0.00        | 0.00       | 0.00       | 0.00  | 0.00        | 0.00       | 0.00       | 0.00   | 0.00   |
| 12    | Dausa                | 2.00                             | 0.30  | 37.00       | 0.00       | 0.00       | 0.14  | 17.22       | 0.00       | 0.00       | 0.00   | 0.00   |
| 13    | Dholpur              | 20.00                            | 657.51  | 0.00        | 4974.30    | 11.59      | 102.99  | 0.00        | 239.91     | 7.46       | 370.49   | 0.00   |
| 14    | Dungarpur            | 2.00                             | 450.00  | 0.00        | 46.00      | 0.00       | 176.00  | 0.00        | 0.52       | 0.00       | 0.00   | 0.00   |
| 15    | Hanumangarh          | 13.00                            | 81.20   | 0.00        | 7188.25    | 0.00       | 1.28  | 0.00        | 233.44     | 0.00       | 13.86  | 0.00   |
| 16    | Jaipur               | 207.00                           | 1440.13   | 294.34      | 9754.69    | 26893.02   | 1075.71   | 41.00       | 7667.46    | 17999.42   | 24586.14   | 0.00   |
| 17    | Jaisalmer            | 2.00                             | 200.80  | 0.00        | 0.00       | 779.00     | 0.00  | 0.00        | 0.00       | 0.00       | 0.00   | 0.00   |
| 18    | Jalore               | 0.00                             | 0.00  | 0.00        | 0.00       | 0.00       | 0.00  | 0.00        | 0.00       | 0.00       | 0.00   | 0.00   |
| 19    | Jhalawar             | 1.00                             | 3052.02   | 0.00        | 6.00       | 0.00       | 801.17  | 0.00        | 0.50       | 0.00       | 0.00   | 0.00   |

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| S.No.        | Name of the District | Number of HW Generating Industry | Authorized Quantity of Hazardous Waste (Metric Tonne) |                  |                  |                  | Quantity of Hazardous Waste generated as per Annual Return within the State/UT (Metric Tonne) |                |                 |                  | Quantity of HW imported during the year (Metric Tonne) | Quantity of HW exported during the year (Metric Tonne) |
|--------------|----------------------|----------------------------------|---|------------------|------------------|------------------|---|----------------|-----------------|------------------|--|--|
|              |                      |                                  | Landfillable  | Incinerable      | Recyclable       | Utilizable       | Landfillable  | Incinerable    | Recyclable      | Utilizable       |  |  |
|              |                      |                                  | 1   | 2                | 3                | 4                | 5   | 6              | 7               | 8                |  |  |
| 20           | Jhunjhunu            | 3.00                             | 0.00  | 0.00             | 0.20             | 0.00             | 0.00  | 0.00           | 0.20            | 0.00             | 0.00   | 0.00   |
| 21           | Jodhpur              | 42.00                            | 16152.40  | 1653.95          | 64.40            | 6101.10          | 13392.59  | 0.00           | 0.00            | 174.33           | 0.00   | 0.00   |
| 22           | Karauli              | 0.00                             | 0.00  | 0.00             | 0.00             | 0.00             | 0.00  | 0.00           | 0.00            | 0.00             | 0.00   | 0.00   |
| 23           | Kota                 | 26.00                            | 4396.27   | 77.10            | 1827.17          | 70795.07         | 741.25  | 5.00           | 187.23          | 4532.26          | 980.94   | 0.00   |
| 24           | Nagaur               | 3.00                             | 143.83  | 205535.75        | 32.44            | 900079.1         | 0.80  | 0.06           | 0.01            | 377.00           | 377.06   | 0.00   |
| 25           | Pali                 | 582.00                           | 20623.18  | 15.00            | 126.85           | 499.99           | 10923.52  | 0.00           | 80.80           | 9436.57          | 31064.99   | 0.00   |
| 26           | Pratapgarh           | 0.00                             | 0.00  | 0.00             | 0.00             | 0.00             | 0.00  | 0.00           | 0.00            | 0.00             | 0.00   | 0.00   |
| 27           | Rajsamand            | 6                                | 215421.10   | 160.00           | 126508.00        | 0.30             | 193479.39   | 28.14          | 11764.25        | 1058.24          | 6112.40  | 0.00   |
| 28           | Sawai Madhopur       | 0                                | 0.00  | 0.00             | 0.00             | 0.00             | 0.00  | 0.00           | 0.00            | 0.00             | 0.00   | 0.00   |
| 29           | Sikar                | 9                                | 168.00  | 0.00             | 4.70             | 200.00           | 53.34   |                | 0.43            | 200.00           | 0.00   | 0.00   |
| 30           | Sirohi               | 27                               | 809.30  | 0.00             | 19.41            | 0.00             | 476.16  | 0.00           | 9.81            | 1013.45          | 31710.79   | 0.00   |
| 31           | Sriganganagar        | 6                                | 22.02   | 0.01             | 2306.50          | 5.00             | 4.56  | 0.00           | 233.44          | 0.00             | 531.61   | 0.00   |
| 32           | Tonk                 | 4                                | 22.50   | 110.25           | 120.04           | 0.00             | 20.14   | 0.26           | 165.82          | 0.00             | 0.00   | 0.00   |
| 33           | Udaipur              | 72                               | 70012.99  | 0.00             | 256.00           | 85947.14         | 36365.70  | 0.00           | 190.00          | 41145.42         | 1484.69  | 0.00   |
| <b>Total</b> |                      | <b>1511</b>                      | <b>632280.99</b>                                      | <b>467320.15</b> | <b>197879.68</b> | <b>2025548.2</b> | <b>594756.04</b>  | <b>1259.16</b> | <b>40568.20</b> | <b>125443.42</b> | <b>257839.37</b>                                       | <b>1284.73</b>   |



**Table 25(b): Rajasthan- 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      | Quantity sent (MT) |
|        |   |  | 12                     |  | 13                 |
| 1      | For disposal at common secured landfill                 | 0  | 0                      | Uttar Pradesh                          | 3.50               |
| 2      | For disposal at common Incinerator                      | 0  | 0                      | 0                                      | 0                  |
| 3      | For recycling by Schedule IV recyclers                  | PMP, Rudrapur,Uttarakhand, Bihar, Gujrat, Maharashtra, Hariyana, Punjab, HZL Pantnagar/Uttarakhand, Uttar Pradesh (UP), Delhi, Eastern Africa, Western Africa, Middle East | 38568.05               | INP                                    | 1901.22            |
| 4      | For utilization in co-processing (cement plants)        | Gujarat  | 214134.45              | 0                                      | 0                  |
| 5      | For utilization under Rule 9 (other than co-processing) | West Bangal, Gujrat, Tamil Nadu, Uttarakhand, Maharashtra, Gujarat   | 5136.87                | 0                                      | 0                  |

INP: Information Not Provided

**Table 25(c): Rajasthan-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 Kiln | Other than co-processing | Captive Utilization(ot her than coloumn 15 & 16) |  | Co-processing in Cement Kiln | Under Rule 9 other than co-processing | Captive Utilization(ot her than coloumn 19 & 20) |
|        |                      |  |                              |                          |  |  |                              |                                       |  |
| 1      | Ajmer                | 96.34  | 88.42                        | 0.00                     | 8.20   | 0.00   | 434.58                       | 0.00                                  | 4508.94  |
| 2      | Alwar                | 2215.53  | 14996.08                     | 0.00                     | 78.31  | 0.00   | 0.00                         | 0.00                                  | 0.00   |
| 3      | Banswara             | 0.00   | 2316.18                      | 0.00                     | 0.00   | 0.00   | 0.00                         | 0.00                                  | 0.00   |
| 4      | Baran                | 43.49  | 0.00                         | 0.00                     | 0.00   | 0.00   | 0.00                         | 0.00                                  | 0.00   |
| 5      | Barmer               | 0.00   | 9932.00                      | 0.00                     | 0.00   | 0.00   | 0.00                         | 0.00                                  | 0.00   |
| 6      | Bharatpur            | 39.80  | 0.00                         | 0.00                     | 0.00   | 288.64   | 0.00                         | 0.00                                  | 0.00   |
| 7      | Bhilwara             | 4991.28  | 0.00                         | 1124.14                  | 50.61  | 0.00   | 0.00                         | 0.00                                  | 0.00   |
| 8      | Bikaner              | 92.44  | 0.00                         | 0.00                     | 0.00   | 0.00   | 0.00                         | 0.00                                  | 0.00   |
| 9      | Bundi                | 13.78  | 0.00                         | 0.00                     | 0.14   | 0.00   | 0.00                         | 0.00                                  | 0.00   |
| 10     | Chittorgarh          | 15332.05   | 29816.94                     | 0.00                     | 0.00   | 2396.49  | 136245.00                    | 0.00                                  | 0.00   |
| 11     | Churu                | 0.00   | 0.00                         | 0.00                     | 0.00   | 0.00   | 0.00                         | 0.00                                  | 0.00   |
| 12     | Dausa                | 0.00   | 0.00                         | 0.00                     | 0.00   | 0.00   | 0.00                         | 0.00                                  | 0.00   |
| 13     | Dholpur              | 22.76  | 0.00                         | 7.46                     | 0.00   | 31.94  | 0.00                         | 0.00                                  | 0.00   |
| 14     | Dungarpur            | 0.52   | 0.00                         | 0.00                     | 0.00   | 0.00   | 0.00                         | 0.00                                  | 0.00   |
| 15     | Hanumangarh          | 68.56  | 0.00                         | 0.00                     | 0.00   | 13.86  | 0.00                         | 0.00                                  | 0.00   |
| 16     | Jaipur               | 7811.78  | 8488.83                      | 0.00                     | 9510.59  | 27177.13   | 0.00                         | 0.00                                  | 0.00   |
| 17     | Jaisalmer            | 0.00   | 0.00                         | 0.00                     | 0.00   | 0.00   | 0.00                         | 0.00                                  | 0.00   |
| 18     | Jalore               | 0.00   | 0.00                         | 0.00                     | 0.00   | 0.00   | 0.00                         | 0.00                                  | 0.00   |

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| 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 Kiln | Other than co-processing | Captive Utilization(other than coloumn 15 & 16) |  | Co-processing in Cement Kiln | Under Rule 9 other than co-processing | Captive Utilization(ot her than coloumn 19 & 20) |
| 19           | Jhalawar             | 0.50   | 0.00                         | 0.00                     | 0.00  | 0.00   | 0.00                         | 0.00                                  | 0.00   |
| 20           | Jhunjhunu            | 0.20   | 0.00                         | 0.00                     | 0.00  | 0.00   | 0.00                         | 0.00                                  | 0.00   |
| 21           | Jodhpur              | 0.00   | 107.70                       | 0.00                     | 66.63   | 0.00   | 0.00                         | 0.00                                  | 0.00   |
| 22           | Karauli              | 0.00   | 0.00                         | 0.00                     | 0.00  | 0.00   | 0.00                         | 0.00                                  | 0.00   |
| 23           | Kota                 | 71.55  | 0.00                         | 0.00                     | 4532.26   | 1043.08  | 0.00                         | 344.65                                | 0.00   |
| 24           | Nagaur               | 0.01   | 377.00                       | 0.00                     | 0.00  | 0.00   | 0.00                         | 0.00                                  | 0.00   |
| 25           | Pali                 | 80.80  | 10450.02                     | 0.00                     | 0.00  | 0.00   | 31064.99                     | 0.00                                  | 0.00   |
| 26           | Pratapgarh           | 0.00   | 0.00                         | 0.00                     | 0.00  | 0.00   | 0.00                         | 0.00                                  | 0.00   |
| 27           | Rajsamand            | 10677.76   | 0.00                         | 1070.94                  | 0.00  | 6102.60  | 0.00                         | 0.00                                  | 0.00   |
| 28           | Sawai Madhopur       | 0.00   | 0.00                         | 0.00                     | 0.00  | 0.00   | 0.00                         | 0.00                                  | 0.00   |
| 29           | Sikar                | 4.70   | 0.00                         | 200.00                   | 0.00  | 0.00   | 0.00                         | 0.00                                  | 0.00   |
| 30           | Sirohi               | 9.81   | 1719.18                      | 0.00                     | 0.00  | 0.00   | 31710.79                     | 0.00                                  | 0.00   |
| 31           | Sriganganagar        | 231.27   | 0.00                         | 0.00                     | 0.00  | 534.12   | 0.00                         | 0.00                                  | 0.00   |
| 32           | Tonk                 | 165.82   | 0.00                         | 0.00                     | 0.00  | 0.00   | 0.00                         | 0.00                                  | 0.00   |
| 33           | Udaipur              | 182.00   | 0.00                         | 0.00                     | 39375.21  | 1314.79  | 0.00                         | 0.00                                  | 187.40   |
| <b>Total</b> |                      | <b>42152.74</b>  | <b>78292.34</b>              | <b>2402.54</b>           | <b>53621.94</b>                                 | <b>38902.66</b>  | <b>199455.36</b>             | <b>344.65</b>                         | <b>4696.34</b>                                   |

**Table 25(d): Rajasthan-Details on Hazardous Waste Disposed**

| S.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 Secured Landfill (MT)                 |         | Quantity Disposed through Incinerator (MT) |         |
|       |                      | Common  | Captive   | Common                                     | Captive | Common   | Captive | Common                                     | Captive |
|       |                      | 22  | 23        | 24   | 25      | 26   | 27      | 28   | 29      |
| 1     | Ajmer                | 0.12  | 0.00      | 88.68                                      | 0.00    | 0.00   | 0.00    | 0.00                                       | 0.00    |
| 2     | Alwar                | 3426.91   | 2219.00   | 742.41                                     | 54.03   | 0.00   | 0.00    | 0.00                                       | 0.00    |
| 3     | Banswara             | 295.45  | 0.00      | 43.70                                      | 0.00    | 0.00   | 0.00    | 0.00                                       | 0.00    |
| 4     | Baran                | 2.24  | 0.00      | 0.00                                       | 0.00    | 0.00   | 0.00    | 0.00                                       | 0.00    |
| 5     | Barmer               | 17490.65  | 6289.00   | 0.00                                       | 8.49    | 0.00   | 0.00    | 0.00                                       | 0.00    |
| 6     | Bharatpur            | 26.29   | 0.00      | 0.80                                       | 0.00    | 0.00   | 0.00    | 0.00                                       | 0.00    |
| 7     | Bhilwara             | 2722.46   | 0.00      | 18.78                                      | 0.00    | 0.00   | 0.00    | 0.00                                       | 0.00    |
| 8     | Bikaner              | 1.50  | 0.00      | 0.00                                       | 0.00    | 0.00   | 0.00    | 0.00                                       | 0.00    |
| 9     | Budi                 | 85.39   | 0.00      | 0.00                                       | 0.00    | 0.00   | 0.00    | 0.00                                       | 0.00    |
| 10    | Chittorgarh          | 465.26  | 303655.28 | 97.07                                      | 0.00    | 0.00   | 0.00    | 0.00                                       | 0.00    |
| 11    | Churu                | 0.00  | 0.00      | 0.00                                       | 0.00    | 0.00   | 0.00    | 0.00                                       | 0.00    |
| 12    | Dausa                | 0.14  | 0.00      | 17.22                                      | 0.00    | 0.00   | 0.00    | 0.00                                       | 0.00    |
| 13    | Dholpur              | 102.99  | 0.00      | 0.00                                       | 0.00    | 0.00   | 0.00    | 0.00                                       | 0.00    |
| 14    | Dungarpur            | 170.67  | 0.00      | 0.00                                       | 0.00    | 0.00   | 0.00    | 0.00                                       | 0.00    |
| 15    | Hanumangarh          | 2.33  | 0.00      | 0.00                                       | 0.00    | 0.00   | 0.00    | 0.00                                       | 0.00    |
| 16    | Jaipur               | 1034.37   | 0.00      | 58.22                                      | 0.00    | 0.00   | 0.00    | 0.00                                       | 0.00    |
| 17    | Jaislmer             | 0.00  | 0.00      | 0.00                                       | 0.00    | 0.00   | 0.00    | 0.00                                       | 0.00    |
| 18    | Jalore               | 0.00  | 0.00      | 0.00                                       | 0.00    | 0.00   | 0.00    | 0.00                                       | 0.00    |
| 19    | Jhalawar             | 801.17  | 0.00      | 0.00                                       | 0.00    | 0.00   | 0.00    | 0.00                                       | 0.00    |
| 20    | Jhunjhunu            | 0.00  | 0.00      | 0.00                                       | 0.00    | 0.00   | 0.00    | 0.00                                       | 0.00    |
| 21    | Jodhpur              | 13392.59  | 0.00      | 0.00                                       | 0.00    | 0.00   | 0.00    | 0.00                                       | 0.00    |
| 22    | Karauli              | 0.00  | 0.00      | 0.00                                       | 0.00    | 0.00   | 0.00    | 0.00                                       | 0.00    |

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|              |                |                 |                  |                |              |             |             |             |             |
|--------------|----------------|-----------------|------------------|----------------|--------------|-------------|-------------|-------------|-------------|
| 23           | Kota           | 602.00          | 0.00             | 0.00           | 0.00         | 0.00        | 0.00        | 0.00        | 0.00        |
| 24           | Nagaur         | 0.80            | 0.00             | 0.06           | 0.00         | 0.00        | 0.00        | 0.00        | 0.00        |
| 25           | Pali           | 373.58          | 0.00             | 0.00           | 0.00         | 0.00        | 0.00        | 0.00        | 0.00        |
| 26           | Pratapgarh     | 0.00            | 0.00             | 0.00           | 0.00         | 0.00        | 0.00        | 0.00        | 0.00        |
| 27           | Rajsamnd       | 0.00            | 193469.50        | 0.00           | 0.00         | 0.00        | 0.00        | 0.00        | 0.00        |
| 28           | Sawaimadhampur | 0.00            | 0.00             | 0.00           | 0.00         | 0.00        | 0.00        | 0.00        | 0.00        |
| 29           | Sikar          | 53.34           | 0.00             | 0.00           | 0.00         | 0.00        | 0.00        | 0.00        | 0.00        |
| 30           | Sirohi         | 476.16          | 0.00             | 0.00           | 0.00         | 0.00        | 0.00        | 0.00        | 0.00        |
| 31           | Sriganganagar  | 4.07            | 0.00             | 0.00           | 0.00         | 0.00        | 0.00        | 0.00        | 0.00        |
| 32           | Tonk           | 20.14           | 0.00             | 0.26           | 0.00         | 0.00        | 0.00        | 0.00        | 0.00        |
| 33           | Udaipur        | 2430.01         | 26936.78         | 0.00           | 0.00         | 0.00        | 0.00        | 0.00        | 0.00        |
| <b>Total</b> |                | <b>43980.61</b> | <b>532569.56</b> | <b>1067.20</b> | <b>62.52</b> | <b>0.00</b> | <b>0.00</b> | <b>0.00</b> | <b>0.00</b> |

**Table 25(e): Rajasthan-Details on Hazardous Waste Stored at Occupier Premises**

| S.No. | Name of the District | Total Quantity of HW stored at Occupier premises at the beginning of the financial year i.e. 01.04.2017 (MT) |             |            |            | Total Quantity of HW stored at Occupier premises during the financial year i.e. 1st April to 31st March 2018 (MT) |             |            |            |
|-------|----------------------|--|-------------|------------|------------|---|-------------|------------|------------|
|       |                      | Landfillable   | Incinerable | Recyclable | Utilizable | Landfillable  | Incinerable | Recyclable | Utilizable |
|       |                      | 30   | 31          | 32         | 33         | 34  | 35          | 36         | 37         |
| 1     | Ajmer                | 0.00   | 0.00        | 0.00       | 0.00       | 0.00  | 0.00        | 0.00       | 0.00       |
| 2     | Alwar                | 253.02   | 21.93       | 61.29      | 625.08     | 502.19  | 102.79      | 80.63      | 682.36     |
| 3     | Banswara             | 100.11   | 0.00        | 1559.81    | 0.00       | 100.11  | 48.48       | 1563.72    | 0.00       |
| 4     | Baran                | 1.79   | 0.00        | 11.09      | 0.00       | 1.51  | 0.00        | 3.24       | 0.00       |
| 5     | Barmer               | 0.00   | 0.00        | 0.00       | 0.00       | 0.00  | 0.00        | 0.00       | 0.00       |
| 6     | Bharatpur            | 0.00   | 0.00        | 80.40      | 0.00       | 0.00  | 0.00        | 127.92     | 0.00       |
| 7     | Bhilwara             | 164.42   | 863.20      | 2300.20    | 190.07     | 325.99  | 842.96      | 221.63     | 139.45     |
| 8     | Bikaner              | 0.84   | 0.00        | 11.24      | 0.00       | 0.00  | 0.00        | 1.00       | 0.00       |
| 9     | Bundi                | 10.55  | 0.00        | 0.00       | 0.00       | 50.96   | 0.00        | 2.10       | 0.00       |
| 10    | Chittorgarh          | 251.37   | 20.00       | 51.76      | 733.00     | 263.11  | 20.93       | 326.92     | 6582.34    |
| 11    | Churu                | 0.00   | 0.00        | 0.00       | 0.00       | 0.00  | 0.00        | 0.00       | 0.00       |
| 12    | Dausa                | 14.12  | 0.00        | 0.00       | 0.00       | 14.12   | 0.00        | 0.00       | 0.00       |
| 13    | Dholpur              | 0.00   | 0.00        | 52.05      | 0.00       | 0.00  | 0.00        | 237.26     | 0.00       |
| 14    | Dungarpur            | 23.24  | 0.00        | 0.00       | 0.00       | 28.57   | 0.00        | 0.00       | 0.00       |
| 15    | Hanumangarh          | 1.50   | 0.00        | 0.00       | 0.00       | 0.46  | 0.00        | 164.88     | 0.00       |
| 16    | Jaipur               | 27.36  | 17.22       | 2836.35    | 101.05     | 68.70   | 0.00        | 0.00       | 101.05     |
| 17    | Jaisalmer            | 0.00   | 0.00        | 0.00       | 0.00       | 0.00  | 0.00        | 0.00       | 0.00       |
| 18    | Jalore               | 0.00   | 0.00        | 0.00       | 0.00       | 0.00  | 0.00        | 0.00       | 0.00       |
| 19    | Jhalawar             | 0.00   | 0.00        | 0.00       | 0.00       | 0.00  | 0.00        | 0.00       | 0.00       |
| 20    | Jhunjhunu            | 0.00   | 0.00        | 0.00       | 0.00       | 0.00  | 0.00        | 0.00       | 0.00       |
| 21    | Jodhpur              | 0.00   | 0.00        | 0.00       | 0.00       | 0.00  | 0.00        | 0.00       | 0.00       |
| 22    | Karauli              | 0.00   | 0.00        | 0.00       | 0.00       | 0.00  | 0.00        | 0.00       | 0.00       |
| 23    | Kota                 | 6.37   | 0.00        | 2.49       | 0.00       | 145.62  | 5.00        | 118.17     | 0.00       |
| 24    | Nagaur               | 0.00   | 0.00        | 0.00       | 0.00       | 0.00  | 0.00        | 0.00       | 0.00       |

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| S.No.        | Name of the District | Total Quantity of HW stored at Occupier premises at the beginning of the financial year i.e. 01.04.2017 (MT) |               |                |                | Total Quantity of HW stored at Occupier premises during the financial year i.e. 1st April to 31st March 2018 (MT) |                |                |                 |
|--------------|----------------------|--|---------------|----------------|----------------|---|----------------|----------------|-----------------|
|              |                      | Landfillable   | Incinerable   | Recyclable     | Utilizable     | Landfillable  | Incinerable    | Recyclable     | Utilizable      |
|              |                      | 30   | 31            | 32             | 33             | 34  | 35             | 36             | 37              |
| 25           | Pali                 | 21.44  | 0.00          | 0.00           | 1013.45        | 10571.38  | 0.00           | 0.00           | 0.00            |
| 26           | Pratapgarh           | 0.00   | 0.00          | 0.00           | 0.00           | 0.00  | 0.00           | 0.00           | 0.00            |
| 27           | Rajsamnd             | 0.00   | 0.00          | 185.76         | 18.00          | 9.89  | 28.14          | 311.31         | 5.30            |
| 28           | Sawaimadhapur        | 0.00   | 0.00          | 0.00           | 0.00           | 0.00  | 0.00           | 0.00           | 0.00            |
| 29           | Sikar                | 0.00   | 0.00          | 4.27           | 0.00           | 0.00  | 0.00           | 0.00           | 0.00            |
| 30           | Sirohi               | 0.00   | 0.00          | 0.00           | 705.73         | 0.00  | 0.00           | 0.00           | 0.00            |
| 31           | Sriganganagar        | 0.00   | 0.00          | 0.34           | 0.00           | 0.49  | 0.00           | 0.00           | 0.00            |
| 32           | Tonk                 | 0.00   | 0.00          | 0.00           | 0.00           | 0.00  | 0.00           | 0.00           | 0.00            |
| 33           | Udaipur              | 2727.00  | 0.00          | 12.00          | 959.79         | 9725.91   | 0.00           | 189.90         | 2737.21         |
| <b>Total</b> |                      | <b>3603.13</b>   | <b>922.35</b> | <b>7169.05</b> | <b>4346.17</b> | <b>21809.01</b>   | <b>1048.30</b> | <b>3348.69</b> | <b>10247.71</b> |

**Table 25(f): Rajasthan-Details on Recycling / Utilization/Co-Processing of Hazardous Waste**

| S.No     | Type of Recycling Facilities  | No of Facilities authorized for recycling / utilization / Co-processing of HW | Total Authorized Capacity (MTA) | Quantity Recycled/Utilized/ Co-processed (MT) |
|----------|---|---|---------------------------------|---|
| <b>A</b> | <b>Commonly Recyclable HW</b>   |   |                                 |   |
| 1        | Brass Dross   | 1   | 1070.00                         | 0.00  |
| 2        | Zinc Bearing Wasters  | 11  | 66230.00                        | 12322.63                                      |
| 3        | Copper Bearing Waste  | 4   | 4190.00                         | 1324.13                                       |
| 4        | Spent catalyst containing nickel, cadmium, Zinc, Copper, arsenic, Vanadium and cobalt   | 1   | 2400.00                         | 328.44  |
| 5        | Lead bearing waste including battery wastes   | 71  | 307234.85                       | 56543.71                                      |
| 6        | E-Waste   | 13  | 91391.00                        | 1750.70                                       |
| 7        | Paint and Ink Sludge/ Residues  | 1   | 18000                           | 0   |
| 8        | Used Oil  | 21  | 69678                           | 7855.126                                      |
| 9        | Waste Oil   | 4   | 68400                           | 930.66  |
|          | <b>Total</b>  | <b>127</b>  | <b>628593.85</b>                | <b>81055.4</b>                                |
| <b>B</b> | <b>Utilization of HW Under rule 9</b>   |   |                                 |   |
| 1        | Recovery of solvents from spent solvents  | 2   | 1806.00                         | 427.80  |
| 2        | Utilization of spent catalyst - of recover -platinum ,iridium, Osmium, palladium, Rhodium, Ruthium .Rhenium, Gold& Silver   | 2   | 520                             | 194.61  |
| 3        | Utilization of Oil based iron sludge of Ball & Roller bearing for producing Ferrus Sulphate   | 1   | 2640                            | 1058.24                                       |
| 4        | Utilization of Mercury Waste generated from various industry for recovering Mercury   | 1   | 120                             | 50.78   |
| 5        | Utilization of Hydro fluoro sillcic acid - acidic scrubber solution generated during Single Super Phosphate manufacturing industry recovered sodium silico fluoride (Sodium fluorosilicate) for use in Glass Industry | 2   | 3150                            | 498.27  |
|          | <b>Total</b>  | <b>9</b>  | <b>8236.00</b>                  | <b>2229.70</b>                                |
| <b>C</b> | <b>Co-processing in cement plant</b>  | <b>12</b>   | <b>2577119.00</b>               | <b>277747.70</b>                              |



**Table 25(g): Rajasthan-List of Authorized Recyclers/ Utilizers/Co-processors of Hazardous Waste**

| S. No. | Name and Address of the facility                   | Type of Hazardous Waste authorised for Co-processing | Authorized Co-Processing Capacity (MTA) | Quantity Co-processed (MT) |
|--------|--|--|---|----------------------------|
| 1      | M/s Ojhas MetalH-1-344 MIA,                        | Battery recycle                                      | 1300.00                                 | 2.20                       |
| 2      | M/s Rohan IndustriesG1-556,MIA,                    | Battery recycle                                      | 8000.00                                 | 449.00                     |
| 3      | M/s Surendra Metal IndustriesH-1-135, MIA,         | Battery recycle                                      | 1500.00                                 | 0.00                       |
| 4      | M/s Balaji Metal IndustriesH-1-756, mia,           | Battery recycle                                      | 450.00                                  | 0.00                       |
| 5      | M/s Gulab Singh and SonG-231-A, MIA                | Battery recycle                                      | 200.00                                  | 0.00                       |
| 6      | M/s Sri Om Sai MetalH-1-754,MIA,                   | Battery recycle                                      | 1500.00                                 | 0.00                       |
| 7      | M/s Sunil IndustriesF-1-551 (South extension), MIA | Battery recycle                                      | 2560.00                                 | 14.66                      |
| 8      | M/s Rishab MetalH-630(B), MIA,                     | Battery recycle                                      | 1400.00                                 | 22.28                      |
| 9      | M/s Aditi IndustriesH-1, 960, MIA,                 | Battery recycle                                      | 1800.00                                 | 0.00                       |
| 10     | M/s Kushbu Metal WorksH-1-767, MIA,                | Battery recycle                                      | 1350.00                                 | 12.40                      |
| 11     | M/s Rama MetalH-1-755, MIA                         | Battery recycle                                      | 1350.00                                 | 0.00                       |
| 12     | M/s Aggarwal EnterprisesF-24A, MIA                 | Battery recycle                                      | 1000.00                                 | 0.00                       |
| 13     | M/s Pragati UdhogH-1, 630 (A), M.I.A.              | Battery recycle                                      | 5000.00                                 | 0.00                       |
| 14     | M/s Ramesh Kumar YadavH-1-738, MIA                 | Battery recycle                                      | 1350.00                                 | 37.80                      |
| 15     | M/s Shivam Metal H-1-956, MIA,                     | Battery recycle                                      | 1200.00                                 | 2.50                       |
| 16     | M/s Vasoo MetalG-287, MIA                          | Battery recycle                                      | 4000.00                                 | 180.59                     |
| 17     | M/s Ritu Metal Industries, G1-557, MIA, Alwar      | Battery recycle                                      | 1350.00                                 | 15.80                      |

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| S. No. | Name and Address of the facility   | Type of Hazardous Waste authorised for Co-processing | Authorized Co-Processing Capacity (MTA) | Quantity Co-processed (MT) |
|--------|--|--|---|----------------------------|
| 18     | M/s Shri Sidhhi Vinayak Metal Industries, H1-739-748, MIA, Alwar   | Battery recycle                                      | 1650.00                                 | 12.50                      |
| 19     | M/s Greenscape Eco management, G1-584-585, MIA   | E-waste  | 600.00                                  | 121.68                     |
| 20     | M/s Greenscape Eco Management, G-588-591, MIA  | E-waste  | 60000.00                                | 1188.19                    |
| 21     | M/s Vasoo Metal Unit -iii  | E-waste  | 525.00                                  | 212.00                     |
| 22     | M/s sri krishna addectives.  | E-waste  | 1560.00                                 | 1.23                       |
| 23     | M/s Shri balaji Lubricant  | used Oil   | 2700.00                                 | 26.00                      |
| 24     | M/s Shri Shyam Lubricant   | used Oil   | 6750.00                                 | 0.00                       |
| 25     | M/s Prime Metal  | Copper and Zinc Bearing waste recycling              | 950.00                                  | 35.60                      |
| 26     | M/s Zinc-o- India, Village Kesarpura, Alwar  | Zinc bearing residue                                 | 950.00                                  | 0.00                       |
| 27     | M/s Zinc-o- Rajasthan, Village Kesarpura, Alwar  | Zinc bearing residue                                 | 1200.00                                 | 0.00                       |
| 28     | M/s Malpani Petro Chem Pvt. Ltd.,c-60 A, Road No. 1 C, Vishwakarma Industrial Area , Tehsil:Jaipur District:JAIPUR | Used oil   | 1200.00                                 | 348.39                     |
| 29     | M/s Mahashwari Petro Chemicals,G-681, Road No. 9 F 2,Vishwakarma Industrial Area , Tehsil:Jaipur District:JAIPUR   | Used oil   | 3600.00                                 | 216.00                     |
| 30     | M/s Mahabir Chemicals Industries,G-680, Road No. 9 F 2,Vishwakarma Industrial Area , Tehsil:Jaipur District:JAIPUR | Used oil   | 3600.00                                 | 475.84                     |
| 31     | M/s Om Industries,C-60 A, Road No. 1 C, Vishwakarma Industrial Area , Tehsil:Jaipur District:JAIPUR                | Used oil   | 3600.00                                 | 255.00                     |

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| S. No. | Name and Address of the facility   | Type of Hazardous Waste authorised for Co-processing | Authorized Co-Processing Capacity (MTA) | Quantity Co-processed (MT) |
|--------|--|--|---|----------------------------|
| 32     | M/s Shri Tirupati Industries,G-491,Road No.9A,Vishwakarma Industrial Area , Tehsil:Jaipur District:Jaipur  | Used oil   | 3600.00                                 | 240.00                     |
| 33     | M/s Indomax Chemical Industries,F783(E),Road No.13,V.K.I Area Jaipur , jaipur Tehsil:Jaipur District:Jaipur  | Used oil   | 1200.00                                 | 464.00                     |
| 34     | M/s Bharat Industrial Oil Company,S-758 (I), Road no. 9-F-1, VKIA , Tehsil:JAIPUR District:JAIPUR  | Used oil   | 3600.00                                 | 461.17                     |
| 35     | M/s ETCO E-waste Recycler Private Ltd, SB-23, Shilp Bari, Road, No. 14, VKI Area, , Jaipur Tehsil:Jaipur(VKIA) District:Jaipur                       | E-waste recycler                                     | 525.00                                  | 0.00                       |
| 36     | M/s Ultra Tech Cement Ltd (Unit Kotputli Cement Works),Village - Mohanpura, Kotputli, JAIPUR   | Cement co-process                                    | 30000.00                                | 0.00                       |
| 37     | M/s S.S.Metals,G 1-141, RIICO Industrial Area, Jhotwara Extn. Sarna Dungar, Jaipur(VKIA)   | Lead Acid Battery recycler                           | 4500.00                                 | 95.41                      |
| 38     | M/s Shakti Metals,E-147 RIICO Industrial Area Sarna Doonger , Jaipur Tehsil:Jaipur District:Jaipur   | Lead Acid Battery recycler                           | 420.00                                  | 4.80                       |
| 39     | M/s Premier Metals (Old Name-Dinesh Engineering Corp.),G-1/85, RIICO Industrial Area, Sarna Doongar Phase I , Jhotwara Tehsil:Jaipur District:Jaipur | Lead Acid Battery recycler                           | 4500.00                                 | 199.28                     |
| 40     | M/s Premier Metals,E-113, RIA, Sarna Doongar, Jaipur   | Lead Acid Battery recycler                           | 4500.00                                 | 227.74                     |

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| S. No. | Name and Address of the facility  | Type of Hazardous Waste authorised for Co-processing | Authorized Co-Processing Capacity (MTA) | Quantity Co-processed (MT) |
|--------|---|--|---|----------------------------|
| 41     | M/s Radhey Industries, KHASRA NO.274/279,DISA ROAD, NEAR RIICO KALADERA , KALADERA Tehsil:Amber District:Jaipur                   | Lead Acid Battery recycler                           | 1500.00                                 | 0.00                       |
| 42     | M/s Murliwala Pigment,G-1-209, RIICO INDUSTRIAL AREA, KALADERA, CHOMU , Jaipur Tehsil:Chomu District:Jaipur                       | Lead Acid Battery recycler                           | 5000.00                                 | 130.00                     |
| 43     | M/s Shri Balaji Batteries Pvt. Ltd., G-374(B) Jhatwara Extn. Phase-IIInd Jhotwara JaipurJaipur(VKIA)JAIPUR                        | Lead Acid Battery recycler                           | 1526.00                                 | 60.00                      |
| 44     | M/s R.K.Enterprises, PLOT NO.H-220(A),RIICO INDUSTRIAL AREA,JHOTWARA (EXT.), SARNA DOONGAR , JAIPUR Tehsil:Jaipur District:Jaipur | Lead Acid Battery recycler                           | 1875.00                                 | 749.87                     |
| 45     | M/s Shri Balaji Industries, G-374,Jhotwara Ext. , Sarna Doongar Tehsil:Jaipur District:Jaipur                                     | Lead Acid Battery recycler                           | 3000.00                                 | 192.85                     |
| 46     | M/s Arham Industries, G-1/43-44, RIICO Industrial Area, P.o Deeg, Bharatpur   | Spent Catalyst                                       | 2400.00                                 | 328.44                     |
| 47     | M/s Hindustan Petroleum Corporation Ltd, Vill. Dhormui (Jaghina), Bharatpur   | Oily Sludge  | 0.80                                    | 0.80                       |
| 48     | M/s Bharat Petroleum Corporation Ltd., Vill. Dhormui (Jaghina), Bharatpur   | Oily Sludge  | 1.50                                    | 0.00                       |
| 49     | M/s Indian Oil Corporation Ltd., Vill. Dhormui (Jaghina), Bharatpur   | Oily Sludge  | 5.04                                    | 0.00                       |
| 50     | M/s Kaysons Pigment Pvt.Ltd, G-24, RIICO Industrial Area, Odela Road, Dholpur   | Lead Bearing   | 102.30                                  | 71.22                      |

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| S. No. | Name and Address of the facility  | Type of Hazardous Waste authorised for Co-processing | Authorized Co-Processing Capacity (MTA) | Quantity Co-processed (MT) |
|--------|---|--|---|----------------------------|
| 51     | M/s R.P Industries, B-81/A, RIICO Industrial Area, Odela Road, Near Bhole Baba Dairy, Dholpur | Lead Bearing   | 120.70                                  | 18.46                      |
| 52     | M/s R.P Industries, B-81/A, RIICO Industrial Area, Odela Road, Near Bhole Baba Dairy, Dholpur | E-Waste  | 705.00                                  | 0.00                       |
| 53     | M/s Jai Kaila Maa Industries, G-79, RIICO Industrial Area, Odela Road, Dholpur                | Lead Bearing   | 5.10                                    | 0.00                       |
| 54     | M/s Hindustan Industries, G-434, Ext. Growth centre RIICO Industrial Area, Dholpur            | Lead Bearing   | 45.30                                   | 5.29                       |
| 55     | M/s S.B.J & Co., F-137, Growth centre RIICO Industrial Area, Dholpur                          | E-Waste  | 876.00                                  | 7.10                       |
| 56     | M/s Dixit Battery Centre, G-1/20, RIICO Industrial Area, Odela Road, Dholpur                  | Lead Bearing   | 0.00                                    | 0.00                       |
| 57     | M/s Shivani Paper & Board Industries, G-1/19, Growth centre RIICO Industrial Area, Dholpur    | Asbestors Containing residues                        | 11.59                                   | 7.46                       |
| 58     | M/s K.G Metalloys , F-37, 38, RIICO Industrial Area, Odela Road, Dholpur                      | Lead Bearing   | 643.00                                  | 80.25                      |
| 59     | M/s K.G Metalloys , F-37, 38, RIICO Industrial Area, Odela Road, Dholpur                      | E-Waste  | 1800.00                                 | 0.00                       |
| 60     | M/s S.N Metal Products, F-39, 40, RIICO Industrial Area, Odela Road, Dholpur                  | Zinc bearing Waste                                   | 600.00                                  | 31.94                      |
| 61     | M/s B.B Petro Chemicals, F-5B, RIICO Industrial Area, Odela Road, Dholpur                     | Used Oil   | 0.00                                    | 0.00                       |

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| S. No. | Name and Address of the facility  | Type of Hazardous Waste authorised for Co-processing   | Authorized Co-Processing Capacity (MTA) | Quantity Co-processed (MT) |
|--------|---|--|---|----------------------------|
| 62     | M/s Mona Batteries & Chemicals, G-1/16, RIICO Industrial Area, Odela Road, Dholpur                                      | Lead Bearing   | 0.00                                    | 0.00                       |
| 63     | M/s Shri Shyam Industries, G-13, RIICO Industrial Area, Odela Road, Dholpur   | Lead Bearing   | 0.00                                    | 0.00                       |
| 64     | M/s Vardhaman Metals, H-65, RIICO Industrial Area, Odela Road   | Lead Bearing   | 12.20                                   | 0.00                       |
| 65     | M/s Rajasthan Pigments & Chemicals, Magodown road, Bharatpur  | Lead Bearing   | 0.00                                    | 0.00                       |
| 66     | M/s Tirupati Lead & Oxide Pvt. Ltd., G-368, Growth Center Industrial Area Extension, Dholpur                            | Lead Bearing   | 60.20                                   | 57.60                      |
| 67     | M/s WECYCLE. INC, E-72, Growth Center Industrial Area, Dholpur  | Spent Anode Butt   | 350.00                                  | 0.00                       |
| 68     | M/s Hindustan Zinc Limited, Dariba Smelter Complex Dariba Railmagra Rajsamand   | Zinc ash/skimming/other zinc bearing wastes arising from smelting and refining   | 30000.00                                | 5573.30                    |
| 69     | M/s Hindustan Zinc Limited, Dariba Smelter Complex Dariba Railmagra Rajsamand   | Lead acid battery plates and other lead scrap/ashes/ residues not covered under Batteries (Management and Handling) Rules,2001 | 80000.00                                | 6102.60                    |
| 70     | M/s Sarswati Metals, Khasra No 5906/432, Tehsil: Shahpura District: Bhilwara  | Lead acid battery plates/ Lead scrap   | 3000.00                                 | 100.00                     |
| 71     | M/s Ganpati Metalloys Pvt Ltd., E-34 (A), Industrial Area, Growth Centre, , Hamirgarh Tehsil:Bhilwara District:Bhilwara | Lead acid battery/lead secrap  | 4150.00                                 | 62.00                      |

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| S. No. | Name and Address of the facility   | Type of Hazardous Waste authorised for Co-processing  | Authorized Co-Processing Capacity (MTA) | Quantity Co-processed (MT) |
|--------|--|---|---|----------------------------|
| 72     | M/s Shikhar Ferro Pvt. Ltd. Khasra No.-868/2 ,<br>VillageKotriDaribaMejaDemRoad Tehsil:Bhilwara<br>District:Bhilwara | Utilization of Oil based iron sludge<br>of Ball & Roller bearings for<br>producing Ferrous Sulphate | 2640.00                                 | 1058.24                    |
| 73     | M/s Shukla E-waste Processors, H-309(B), RIA, Bhiwadi  | E-Waste (S4, 17)  | 480.00                                  | 29.52                      |
| 74     | M/s Dhruv Techengineers Pvt Ltd, G-1209, Rampur<br>Mundana, RIA  | E-Waste (S4, 17)  | 9940.00                                 | 132.22                     |
| 75     | M/s Eco Management and Protection Services, F-33, RIA,<br>Kahrani  | Paint Sludge (S4)   | 18000.00                                | 0.00                       |
| 76     | M/s Interact Auto Pvt. Ltd., F-1017, RIA, Khuskhera  | Zinc Ash/Zinc Dust/Zinc Skimming<br>(S4)  | 1800.00                                 | 934.62                     |
| 77     | M/s Hitesh Enterprises, H-1-794, RIA, Chopanki   | Zinc Ash/Zinc Dust/Zinc Skimming<br>(S4)  | 1440.00                                 | 0.00                       |
| 78     | M/s New Lubrisales India Pvt. Ltd, F-192, RIA, Khuskhera   | Used or Spent Oil (S4)  | 18000.00                                | 693.70                     |
| 79     | M/s Shiv Shakti Oil & Lubricants, F-557, RIA, Chopanki,<br>Bhiwadi   | Used or Spent Oil (S4, )  | 3600.00                                 | 297.50                     |
| 80     | M/s Pilot Industries Ltd, A-44, RIA, Kahrani   | Lead bearing waste including<br>battery waste (S4, 18)  | 12000.00                                | 2841.00                    |
| 81     | M/s Sumecto Alloys Pvt. Ltd., G-740, Phase-II, RIA, Bhiwadi  | Lead bearing waste including<br>battery waste (S4, 18)  | 5000.00                                 | 338.79                     |
| 82     | M/s Exclusive Lead Alloys Pvt. Ltd., G-1-690, Phase-II, RIA,<br>Bhiwadi  | Lead bearing waste including<br>battery waste (S4, 18)  | 5000.00                                 | 2316.30                    |
| 83     | M/s Lotus Alloys, G-1-669, RIA, Chopanki   | Lead bearing waste including<br>battery waste (S4, 18)  | 3000.00                                 | 130.80                     |

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| S. No. | Name and Address of the facility   | Type of Hazardous Waste authorised for Co-processing   | Authorized Co-Processing Capacity (MTA) | Quantity Co-processed (MT) |
|--------|--|--|---|----------------------------|
| 84     | M/s Rohan Metal Pvt. Ltd., G-733, Phase-II, RIA, Bhiwadi   | Lead bearing waste including battery waste (S4, 18)  | 27000.00                                | 1304.98                    |
| 85     | M/s Arya Alloys Pvt. Ltd., B-824, RIA, Bhiwadi   | Lead bearing waste including battery waste (S4, 18)  | 29400.00                                | 3285.00                    |
| 86     | M/s Ashish Pigments and Alloys Pvt. Ltd, G-1-691, RIA, Bhiwadi   | Lead bearing waste including battery waste (S4, 18)  | 4500.00                                 | 1500.00                    |
| 87     | M/s Exclusive Food Product Pvt. Ltd., G-1-678, RIA, Bhiwadi  | Lead bearing waste including battery waste (S4, 18)  | 3000.00                                 | 0.00                       |
| 88     | M/s Mansha Plastics Pvt Ltd., G-1- 483-484, RIA Chopanki,  | Insulated copper wire scrap/ copper with PVC shathing including ISRI- code materialnamely DRUID/ Jelly fluid copper cables   | 1200.00                                 | 54.75                      |
| 89     | M/s New lubrisales india Pvt. Ltd.   | Used Oil   | 80.00                                   | 32.00                      |
| 90     | M/s.Anna Petrochem Private Limited,E-49/50,RIICO Growth Centre,Phase-II,Maval Abu-Road,Sirohi,Rajasthan. (Waste-oil recycling) | Waste oil  | 30000.00                                | 758.19                     |
| 91     | M/s.Nirma Limited,Vill:Nimbol, Tehsil:Jaitaran, Distt:Pali.(CO-Processing-Cement Plant)  | Unit has not co-processed any haz-waste in 2017-2018.  | 0.00                                    | 0.00                       |
| 92     | M/s. Ambuja Cements Limited,Rabriyawas,Tehsil:Jaitaran,Distt:Pali(CO-Processing-Cement Plant)                                  | Chemical sludge (35.3),Process waste residue , sludge (21.1) ,oil containing waste (5.2),MSW Waste ,Plastic Waste,Tyre Chips | 276000.00                               | 35985.28                   |
| 93     | M/s.J.K.Lakshmi Cement Ltd,Jaykaypuram,Tehsil:Pindwara,District:Sirohi.(CO-  | TDI Tar & Waste mix solid,Chemical Gypsum  | 60000.00                                | 31710.79                   |



National Inventory Report on Hazardous Waste Generation and Its Management (2017-18)

| S. No. | Name and Address of the facility  | Type of Hazardous Waste authorised for Co-processing   | Authorized Co-Processing Capacity (MTA) | Quantity Co-processed (MT) |
|--------|---|--|---|----------------------------|
|        | Processing-Cement Plant)  |  |   |                            |
| 94     | M/s.Binanai Cement Limited,Binanigram,District:Sirohi(CO-Processing-Cement Plant)                       | Unit has not co-processed any haz-waste in 2017-2018.  | 0.00                                    | 0.00                       |
| 95     | M/s. Shree cement Limited,Vill:Ras,Tehsil:Jaitaran,District:Pali,Rajasthan.(CO-Processing-Cement Plant) | Chemical sludge (35.3),Process waste residue , sludge (21.1) & oil containing waste (5.2),Phosphate sludge(12.5),Incineration ash (36.2),Spent acid(26.3),Drill cutting oil (2.1),Organic effluent (sch-III)etc. | 998279.00                               | 39354.55                   |
| 96     | M/s lucid colloids  | spent solvent  | 6.00                                    | 0.00                       |
| 97     | M/s Bharat oil  | Organic residue from process   | 73.00                                   | 53.85                      |
|        |   | Spent clay containing oil  | 73.00                                   | 53.85                      |
|        |   | Used oil   | 4200.00                                 | 0.00                       |
| 98     | M/s Shankar udhyog  | Lead acid batteries scrap & lead scrape  | 1500.00                                 | 0.00                       |
|        |   | Lead ash   | 0.50                                    | 0.00                       |
|        |   | Lead ash   | 132.00                                  | 66.63                      |
| 99     | M/s Aditya Cement limited   | ETP Sludge of CTPP   | 50000.00                                | 0.00                       |
|        |   | ETP Sludge of other industries   | 0.00                                    | 28857.00                   |
|        |   | Contaminated Plastic waste   | 45000.00                                | 10167.00                   |

National Inventory Report on Hazardous Waste Generation and Its Management (2017-18)

| S. No. | Name and Address of the facility                     | Type of Hazardous Waste authorised for Co-processing                                   | Authorized Co-Processing Capacity (MTA) | Quantity Co-processed (MT) |
|--------|--|--|---|----------------------------|
|        |  | Solvent Recovery/ Recovered solvent (Toluene Residue)                                  | 15000.00                                | 69.00                      |
|        |  | Toxic Effluent Containing Pesticide (Aquaous waste)                                    | 40000.00                                | 612.00                     |
|        |  | Precess Residue & Waste  | 20000.00                                | 1602.00                    |
|        |  | Spent Solvent  | 25000.00                                | 127.00                     |
|        |  | Phosphate Sludge   | 15000.00                                | 437.00                     |
|        |  | Process Waste Sludge/Residue Containing acid or Other Toxic merals or Organic Compound | 150000.00                               | 5201.00                    |
|        |  | Wastes or residues Containing Oil /Oily rags   | 20000.00                                | 1728.00                    |
|        |  | Paint sludge   | 25000.00                                | 1211.00                    |
|        |  | Process waste residue  | 20000.00                                | 89.00                      |
| 100    | M/s J. K. Cement Works, Nimabhera, Chittorgarh (Raj) | Chemical Gypsum  | 120000.00                               | 13338.00                   |
|        |  | Waste Mix liquid   | 42000.00                                | 7639.66                    |
|        |  | Waste liquid blend and waste solid blend (Iron sludge)                                 | 120000.00                               | 2047.00                    |
| 101    | M/s J. K. Cement Works, Mangrol, Chittorgarh (Raj)   | Plastic waste/ Carbon black  | 1200.00                                 | 339.54                     |
|        |  | Waste Mix liquid   | 60000.00                                | 18287.04                   |
|        |  | Waste mix Solid  | 101000.00                               | 27941.41                   |

## National Inventory Report on Hazardous Waste Generation and Its Management (2017-18)

| S. No. | Name and Address of the facility                             | Type of Hazardous Waste authorised for Co-processing    | Authorized Co-Processing Capacity (MTA) | Quantity Co-processed (MT) |
|--------|--|---|---|----------------------------|
|        |  | Waste mix Solid & Liquid                                | 8400.00                                 | 589.93                     |
|        |  | ETP sludge of textile unit                              | 1200.00                                 | 412.73                     |
|        |  | Lead Zinc Slag  | 30000.00                                | 8564.00                    |
|        |  | Agro waste, Bio mass & Tyre chips                       | 36500.00                                | 9623.67                    |
|        |  |   | 54750.00                                |                            |
|        |  | Chemical Gypsum   | 120000.00                               | 429.50                     |
|        |  | Waste liquid blend and waste solid blend (Iron sludge)  | 120000.00                               | 494.54                     |
|        |  | Plastic & Resin waste                                   | 3600.00                                 | 91.40                      |
| 102    | M/s Birla Corporation Limited, Chanderia, Chittorgrah (Raj.) | a) Waste Mix Liquid                                     | 10000.00                                | 318.66                     |
|        |  | b) Waste Mix Solid                                      | 20000.00                                | 12063.00                   |
|        |  | c) TDI Tar Waste  | 6000.00                                 | 548.13                     |
|        |  | d) Process wastes, residues and sludge (Plastic waste)  | 15000.00                                | 66.00                      |
|        |  | e) ETP Sludge (Textile industry)                        | 5000.00                                 | 1737.00                    |
|        |  | f) Sludge from Common Effluent Treatment Plant, Bhiwadi | 5000.00                                 | 0.00                       |
|        |  | g) Tyre Chips   | 2000.00                                 | 0.00                       |

## National Inventory Report on Hazardous Waste Generation and Its Management (2017-18)

| S. No. | Name and Address of the facility                                     | Type of Hazardous Waste authorised for Co-processing  | Authorized Co-Processing Capacity (MTA) | Quantity Co-processed (MT) |
|--------|--|---|---|----------------------------|
|        |  | h) FMCG (Maggie, Shampoo, Rejected / expired eatable) | 3000.00                                 | 0.00                       |
| 103    | M/s LAFARGE INDIA PVT. LTD (Nuvoco Vistas Corp. Ltd.)                | Waste Mix Liquid & Solid                              | 80.00                                   | 308.81                     |
|        |  | Waste Mix Solid                                       | 24000.00                                | 4700.00                    |
|        |  | TDI Tar   | 6200.00                                 | 2655.00                    |
|        |  | Chemical Sludge From WTP                              | 10000.00                                | 11.04                      |
|        |  | Drill Cut waste                                       | 9000.00                                 | 0.09                       |
|        |  | Chemical Gypsum                                       | 144000.00                               | 5157.25                    |
| 104    | M/s WONDER CEMENT LTD.   | Waste Liquid blend (Iron sludge)                      | 207000.00                               | 9341.31                    |
|        |  | Waste Gypsum  | 30000.00                                | 1092.18                    |
|        |  | Carbon black  | 48000.00                                | 1297.19                    |
|        |  | Biomass (Mustered Husk)                               | 48000.00                                | 991.86                     |
| 105    | M/s Om Industries, N.H. 15, Nal Badi, Bikaner                        | Lead bearing waste including battery waste            | 2501.50                                 | 83.92                      |
| 106    | M/s Shri Ganesh Udyog, F-160, Udyog Vihar, Sriganganagar             | Lead bearing waste including battery waste            | 1088.80                                 | 58.75                      |
| 107    | M/s Pawan Foundary Work, F-243, Phase II, Udyog Vihar, Sriganganagar | Lead bearing waste including battery waste            | 555.10                                  | 9.69                       |
| 108    | M/s Gagan Udyog, G-1-120, Udyog Vihar, Sriganganagar                 | Lead bearing waste including battery waste            | 94.40                                   | 19.05                      |
| 109    | M/s Magnum Metals, G-1/144, RIICO Udyog Vihar, Sriganganagar         | Lead bearing waste including battery waste            | 1288.60                                 | 239.36                     |

## National Inventory Report on Hazardous Waste Generation and Its Management (2017-18)

| S. No. | Name and Address of the facility   | Type of Hazardous Waste authorised for Co-processing  | Authorized Co-Processing Capacity (MTA) | Quantity Co-processed (MT) |
|--------|--|---|---|----------------------------|
| 110    | M/s Ganpati Udyog, G-1/119A, phase I, Udyog vihar Sriganganagar  | Lead bearing waste including battery waste  | 1030.25                                 | 311.42                     |
| 111    | M/s Shri H.L. Industries, G-1/13, Phase I, Udyog Vihar, Sriganganagar  | Lead bearing waste including battery waste  | 555.25                                  | 15.99                      |
| 112    | M/s Shivam Enterprises, G-53, Phase I, Udyog Vihar, Sriganganagar  | Lead bearing waste including battery waste  | 1030.25                                 | 44.99                      |
| 113    | M/s Kataria Metal Industries, G-1/142 B, Phase I, Udyog Vihar, Sriganganagar                                 | Lead bearing waste including battery waste  | 999.10                                  | 60.90                      |
| 114    | M/s Khurana Traders, H-1-361 (C), Udyog Vihar, Sriganganagar   | Lead bearing waste including battery waste  | 537.70                                  | 12.01                      |
| 115    | M/s Dinesh Battery Industries, A-28, Phase I, Industrial Area, Hanumangarh Jn.                               | Lead bearing waste including battery waste  | 815.00                                  | 43.36                      |
| 116    | M/s Soka Industries, Chak 18 NWD, Mega Highway, Rawatsar, Tehsil-Rawatsar, Dist-Hanumangarh                  | Lead bearing waste including battery waste  | 1513.50                                 | 40.34                      |
| 117    | M/s. Swastik Zinc Pvt. Ltd., F-268, Mewar Industrial Area, Road No. 12, Madri, Udaipur – 313 001 (Rajasthan) | Zinc ash and Skimmings, other Zinc bearing wastes arising from smelting & refining-<br>2. Copper oxide mill scale, Copper rivets, Cake & residue waste copper alloys and slag's | 3500.00                                 | 1153.00                    |

## National Inventory Report on Hazardous Waste Generation and Its Management (2017-18)

| S. No. | Name and Address of the facility  | Type of Hazardous Waste authorised for Co-processing                    | Authorized Co-Processing Capacity (MTA) | Quantity Co-processed (MT) |
|--------|---|---|---|----------------------------|
| 118    | M/s. West India Chemicals, F-24 -25, Mewar Indl. Area, Road No. 4, Madri, Udaipur – 313 003 (Rajasthan)                     | 1. Zinc Ash, Zinc Skimmings & Brass Dross - Copper dross, Brass dross,  | 1070.00                                 | 0.00                       |
| 119    | M/s Precicious Metals Recycler, G-1, 199, Gudli Industrial Area Udaipur   | Lead Acid Battery Plates and Lead Scrap, Secondary production of Metals | 20000.00                                | 914.70                     |
| 120    | M/s Jainam Industries (P) Ltd. Plot No. 90,91,107 & 108 RIICO Industrial Area Sanwar, Tah. Mavli, Distt. Udaipur, Rajasthan | Waste Oil   | 12000.00                                | 172.47                     |
| 121    | M/s Raj Industries, G1-201, RIICO Industrial Area Gudli, Udaipur (Raj.)   | Copper cake & residue   | 240.00                                  | 116.38                     |
| 122    | M/s Chamunda Petrochemicals Pvt. Ltd.   | used oil- Waste oil-  | 40000.00                                | 0.00                       |
| 123    | M/s Ravindra Heraeus Pvt. Ltd. A-196 (A), F-Road, MIA, Madri, Udaipur.  | Spent Catalyst  | 260.00                                  | 19.10                      |
| 124    | M/s Choksi Heraeus Ltd, A 195 -196 F Road Madri Industrial Area Madri, Udaipur, Rajasthan 313003                            | Spent Catalyst  | 260.00                                  | 175.51                     |
| 125    | M/s Udaipur Cement Works Ltd (J.K. Udaipur Udyog Ltd.,  | Zerosite  | 500.00                                  | 0.00                       |
| 126    | M/s ACC Ltd.  | Co-Processing in Cement Plants  | 92600.00                                | 0.00                       |

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| S. No. | Name and Address of the facility | Type of Hazardous Waste authorised for Co-processing   | Authorized Co-Processing Capacity (MTA) | Quantity Co-processed (MT) |
|--------|----------------------------------|--|---|----------------------------|
| 127    | M/s Mangalam Cement Ltd. I       | Co-Processing in Cement Plants   | 133100.00                               | 0.00                       |
| 128    | M/s Mangalam Cement Ltd. II      | Co-Processing in Cement Plants   | 21900.00                                | 0.00                       |
| 129    | M/s Mangalam Cement Ltd. III     | Co-Processing in Cement Plants   | 99000.00                                | 0.00                       |
| 130    | M/s Raj Industries               | Lead slag/ Lead bearing residues or Lead Ash/ Particulate from flue gas                                  | 600.00                                  | 44.96                      |
| 131    | M/s Universal Chemicals          | Recovery of solvents from spent solvents   | 1800.00                                 | 427.85                     |
| 132    | M/s Barkha Enterprises           | Utilization of Mercury waste generated from various industries for recovering mercury.                   | 120.00                                  | 50.78                      |
| 133    | M/s Krishna Enterprises          | Zinc Fines/Dust/Ash/Skimmings (Dispersible form) or Other residues from processing of Zinc Ash/Skimmings | 2000.00                                 | 705.21                     |
| 134    | M/s SS Polychemicals Pvt Ltd     | Zinc Fines/Dust/Ash/Skimmings (Dispersible form) or Other residues from processing of Zinc Ash/Skimmings | 900.00                                  | 320.50                     |
| 135    | M/s Tanwar Rajput & Company      | Zinc Fines/Dust/Ash/Skimmings (Dispersible form) or Other residues from processing of Zinc Ash/Skimmings | 640.00                                  | 30.40                      |

## National Inventory Report on Hazardous Waste Generation and Its Management (2017-18)

| S. No. | Name and Address of the facility  | Type of Hazardous Waste authorised for Co-processing   | Authorized Co-Processing Capacity (MTA) | Quantity Co-processed (MT) |
|--------|---|--|---|----------------------------|
| 136    | M/s Trimtalead Industries   | Zinc Fines/Dust/Ash/Skimmings (Dispersible form) or Other residues from processing of Zinc Ash/Skimmings | 1500.00                                 | 43.96                      |
| 137    | M/s Anil Petro Lube Pvt. Ltd., Dhani Purohitan, Khoda Ganesh Road, Kishangarh | Organic residue from process   | 41.00                                   | 0.00                       |
|        |   | Spent clay containing oil  | 82.00                                   | 0.00                       |
| 138    | M/s Shree Swastik Pigments, Parbatpura, Ajmer                                 | Chemical Sludge from waste water treatment   | 0.50                                    | 0.00                       |
|        |   | Lead slag/lead bearing residues  | 4.00                                    | 0.00                       |
|        |   | Lead Ash/ Particulate from flue gas  | 1.00                                    | 0.00                       |
| 139    | M/s Shree Mahaveer Industries, F-13, RIICO Ind. Area, Parbatpura, Ajmer       | Chemical Sludge from waste water treatment   | 1.00                                    | 0.00                       |
|        |   | Lead Slag/Lead Bearing residue   | 6.00                                    | 0.00                       |
|        |   | Lead Ash/Particulate from flue gas   | 1.20                                    | 0.00                       |
| 140    | M/s Shree Swastik Pigments, Parbatpura, Ajmer                                 | Lead slag/lead bearing residues  | 8.00                                    | 0.00                       |
|        |   | Lead Ash/ Particulate from flue gas  | 120.00                                  | 0.00                       |
| 141    | M/s Shree Balaji Metal Works, Village-Sendariya, Parbatpura, Ajmer            | Chemical Sludge from waste water treatment   | 0.50                                    | 0.00                       |
|        |   | Lead Slag/Lead Bearing residue   | 4.00                                    | 0.00                       |



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| S. No. | Name and Address of the facility  | Type of Hazardous Waste authorised for Co-processing       | Authorized Co-Processing Capacity (MTA) | Quantity Co-processed (MT) |
|--------|---|--|---|----------------------------|
|        |   | Lead Ash/Particulate from flue gas                         | 60.75                                   | 0.00                       |
| 142    | M/s Shree Cement Ltd, Andheri Deori, Beawar   | Used Oil   | 0.25                                    | 0.01                       |
|        |   | Chemical Sludge from waste water treatment                 | 18000.00                                | 0.00                       |
|        |   | Organic residue from process                               | 3600.00                                 | 50.71                      |
|        |   | Spent clay containing oil                                  | 6540.00                                 | 51.56                      |
|        |   | Sludge from Common Effluent Treatment Plant, Bhiwadi       | 6000.00                                 | 0.00                       |
|        |   | Spent acid (sulphuric acid) sch-I (26.3) and sch-II B-15 - | 900000.00                               | 4508.94                    |
| 143    | M/s Friendssolvex, G-1-262, RIICO Industrial Area, Silora-I, Kishangarh                               | Used or spent oil  | 3.60                                    | 0.00                       |
| 144    | M/s Bharat Petro Industries, Khasra No. 2, Plot No. 3A, Khodamata Ind Area, Udaipur kalan, Kishangarh | Used oil   | 3.00                                    | 0.00                       |
|        |   | Waste Oil  | 1.40                                    | 0.00                       |
| 145    | M/s Sahu Lubricants, G-71, RIICO Ind. Area, Bagru Extn., Jaipur                                       | Used Oil   | 3600.00                                 | 36.00                      |
| 146    | M/s Modi Chemicals G-70, RIICO Ind. Area, Bagru, Jaipur   | Used Oil   | 2100.00                                 | 0.00                       |

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| S. No.       | Name and Address of the facility   | Type of Hazardous Waste authorised for Co-processing | Authorized Co-Processing Capacity (MTA) | Quantity Co-processed (MT) |
|--------------|--|--|---|----------------------------|
| 147          | M/s Poddar Hydrocarbons,, G-1-125, RIICO Ind. Area, Bagru, Jaipur                  | Used Oil   | 3000.00                                 | 210.02                     |
| 148          | M/s Sales Care Services, 28, Exol Industrial Park, Sawarda, Dudu Mozamabad, Jaipur | Used Oil   | 3000.00                                 | 0.00                       |
| 149          | M/s Khandelwal Lubs Pvt. Ltd., F-12, RIICO In. Area, Didwana, Dausa                | Used Oil   | 600.00                                  | 279.00                     |
| 150          | M/s Gravita (India) Ltd., Saurabh Farm, Harsuliya Mod, Phagi, Jaipur               | Lead battery scrap/ plates & other lead scraps       | 27600.00                                | 27336.32                   |
| <b>Total</b> |  |  | <b>5085480.88</b>                       | <b>359606.82</b>           |

**Table 25(h): Rajasthan-Details of Hazardous waste disposed in Common TSDF(s)**

| S. N | 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 Pre-Processed for utilization (MT) | Quantity in Stock at the end of the year (MT) |             | Cumulative HW disposed in SLF by the end of financial year (MT) | Capacity           |                   |                 |
|------|---|---|-------------|--|------------------------------|------------------|---|-------------------------------------|----------------------|---|---|-------------|---|--------------------|-------------------|-----------------|
|      |   | Landfillable  | Incinerable | For Direct landfill                        | For Landfill after treatment | For Incineration | Quantity Landfilled directly              | Quantity Landfilled after treatment | Quantity Incinerated |   | Landfillable                                  | Incinerable |   | Incinerator (KCal) | Incinerator (T/H) | Landfill (MT/A) |
| 1    | M/s Rajasthan Waste Management Project, Survey No. 1018/13 Village Gudli, Tehsil Mavli, Udaipur Rajasthan | DLF: 14.512<br>LAT: 134.806<br>Total : 149.318      | 0           | 3197.8                                     | 11448.64                     | 0.00             | 3182.21                                   | 11437.4                             | 0.00                 | 0.00  | DLF: 30.170<br>LAT: 145.983<br>Total:         | 0.00        | 176.15  | 0.00               | 0.00              | 18000           |

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| S. N | 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 Pre-Processed for utilization (MT) | Quantity in Stock at the end of the year (MT) |             | Cumulative HW disposed in SLF by the end of financial year (MT) | Capacity           |                   |                 |
|------|---|---|-------------|--|------------------------------|------------------|---|-------------------------------------|----------------------|---|---|-------------|---|--------------------|-------------------|-----------------|
|      |   | Landfillable  | Incinerable | For Direct landfill                        | For Landfill after treatment | For Incineration | Quantity Landfilled directly              | Quantity Landfilled after treatment | Quantity Incinerated |   | Landfillable                                  | Incinerable |   | Incinerator (KCal) | Incinerator (T/H) | Landfill (MT/A) |
|      |   |   |             |  |                              |                  |   |                                     |                      |   | 176.153                                       |             |   |                    |                   |                 |
| 2    | M/s BWMP Balotra Waste Mangement Project,Village-Kher,Tehsil-Pachpadra,City-Balotra,District-Barmer(Raj.), Pin-344022 | 0.00  | 0.00        | 4270.7                                     | 25062.97                     | 0.00             | 4270.74                                   | 25062.9                             | 0.00                 | 0.00  | 0.00  | 0.00        | 147299.61   | 0.00               | 0.00              | 0.00            |
| 3    | M/s Continental Petroleum Ltd, Behror, Alwar  | 0.00  | 22.18       | 0.00                                       | 0.00                         | 1068.2           | 0.00                                      | 0.00                                | 1067.2               | 0.00  | 0.00  | 23.18       | 0.00  | 2500.00            | 0.75              | 0.00            |

**Table 25(i): Rajasthan-Details of Hazardous waste disposed in Captive TSDF(s)**

| S. No. | Name and Address of Captive facility   | Type of facility (landfillable/Incinerable/both)              | Capacity          |                 | HW disposed during the year | Cumulative HW disposed till the end of financial year |
|--------|--|---|-------------------|-----------------|-----------------------------|---|
|        |  |   | Incinerator (T/H) | Landfill (MT/A) |                             |   |
| 1      | M/s HZL, Deabri Smelter, Udaipur   | Geosynthetic lined covered with HDPE geo membrane geo textile | 0.00              | 2200000.00      | 27018.31                    | 136023.00   |
| 2      | M/s HZL-CLZS - SLF   | Landfillable  | 0.00              | 0.00            | 10033.82                    | 163510.00   |
| 3      | M/s HZL-CLZS - Jarosite as a Jarofix after lime & Cement addition  | Landfillable  | 0.00              | 0.00            | 293621.28                   | 3164481.00  |
| 4      | M/s Hindustan Zinc Limited, Dariba Smelter Complex Dariba Railmagra Rajsamand  | Jarofix Yard  | 0.00              | 180000.00       | 176046.80                   | 1282197.60  |
|        |  | Secured Landfill  | 0.00              | 33035.00        | 17422.70                    | 114612.76   |
| 5      | M/s Cairn India Limited (Vedanta Limited (Cairn Oil & Gas), Mangla Processing Terminal (MPT), near Nagana village, Barmer. | Secured Landfill  | 0.00              | 185000.00       | 6289.00                     | 143722.00   |
|        |  | Capative Incinerator  | 0.02              | 0.00            | 8.48                        | 293.00  |
| 6      | M/s Shiv Shakti oils and lubricants  | Capative Incinerator  | 2.00              | 0.00            | 8.77                        | 26.03   |
| 7      | M/s Insecticides India Ltd.  | Capative Incinerator  | 25.00             | 0.00            | 45.26                       | 242.94  |
| 8      | M/s Lords Chloro Alkali Ltd., SP-460, MIA, Alwar   | Landfillable  | 0.00              | 0.00            | 2219.46                     | 65332.64  |

# **26.**

# **SIKKIM**

## **(Hazardous waste generation and its Management)**

**Table 26(a): Sikkim-Details of Hazardous waste Generation**

| S.No         | Name of the District | Number of HW Generating Industry | Authorized Quantity of Hazardous Waste (Metric Tonne) |             |            |            | Quantity of Hazardous Waste generated as per Annual Return within the State/UT (Metric Tonne) |                 |            |            | Quantity of HW imported during the year (Metric Tonne) | Quantity of HW exported during the year (Metric Tonne) |
|--------------|----------------------|----------------------------------|---|-------------|------------|------------|---|-----------------|------------|------------|--|--|
|              |                      |                                  | Landfillable  | Incinerable | Recyclable | Utilizable | Landfillable  | Incinerable     | Recyclable | Utilizable |  |  |
|              |                      |                                  | 1   | 2           | 3          | 4          | 5   | 6               | 7          | 8          |  |  |
| 1            | South                | 23                               | 0   | 600         | 0          | 0          | 0   | 179.933         | 0          | 0          | 0  | 0  |
| 2            | East                 | 33                               | 0   |             | 0          | 0          | 0   | 870.901         | 0          | 0          | 0  | 0  |
| <b>Total</b> |                      | <b>56</b>                        | <b>0</b>  | <b>600</b>  | <b>0</b>   | <b>0</b>   | <b>0</b>  | <b>1050.834</b> | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   |

**Table 26(b): Sikkim- 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      | Quantity sent (MT) |
|        |   |  | 12                     |  | 13                 |
| 1      | For disposal at common secured landfill                 | 0  | 0                      | 0                                      | 0                  |
| 2      | For disposal at common Incinerator                      | 0  | 0                      | West Bengal                            | 1050.834           |
| 3      | For recycling by Schedule IV recyclers                  | 0  | 0                      | 0                                      | 0                  |
| 4      | For utilization in co-processing (cement plants)        | 0  | 0                      | 0                                      | 0                  |
| 5      | For utilization under Rule 9 (other than co-processing) | 0  | 0                      | 0                                      | 0                  |

**Table 26(c): Sikkim-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 Kiln | Other than co-processing | Captive Utilization(other than column 15 & 16) |  | Co-processing in Cement Kiln | Under Rule 9 other than co-processing | Captive Utilization(ot her than column 19 & 20) |
|              |                      |  |                              |                          |  |  |                              |                                       |   |
| 1            | South                | 0  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0   |
| 2            | East                 | 0  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0   |
| <b>Total</b> |                      | 0  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0   |

**Table 26(d): Sikkim-Details on Hazardous Waste Disposed**

| S.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 Secured Landfill (MT)                 |          | Quantity Disposed through Incinerator (MT) |          |
|              |                      | Common  | Captive  | Common                                     | Captive  | Common   | Captive  | Common                                     | Captive  |
|              |                      | 22  | 23       | 24   | 25       | 26   | 27       | 28   | 29       |
| 1            | South                | 0   | 0        | 870.901                                    | 0        | 0  | 0        | 0  | 0        |
| 2            | East                 | 0   | 0        | 179.933                                    | 0        | 0  | 0        | 0  | 0        |
| <b>Total</b> |                      | <b>0</b>  | <b>0</b> | <b>1050.834</b>                            | <b>0</b> | <b>0</b>   | <b>0</b> | <b>0</b>                                   | <b>0</b> |

**Table26(e): Sikkim-Details on Hazardous Waste Stored at Occupier Premises**

| S.No.        | Name of the District | Total Quantity of HW stored at Occupier premises at the beginning of the financial year i.e. 01.04.2017 (MT) |             |            |            | Total Quantity of HW stored at Occupier premises during the financial year i.e. 1st April to 31st March 2018 (MT) |                 |            |            |
|--------------|----------------------|--|-------------|------------|------------|---|-----------------|------------|------------|
|              |                      | Landfillable   | Incinerable | Recyclable | Utilizable | Landfillable  | Incinerable     | Recyclable | Utilizable |
|              |                      | 30   | 31          | 32         | 33         | 34  | 35              | 36         | 37         |
| 1            | South                | 0  | 0           | 0          | 0          | 0   | 870.901         | 0          | 0          |
| 2            | East                 | 0  | 0           | 0          | 0          | 0   | 179.933         | 0          | 0          |
| <b>Total</b> |                      | <b>0</b>   | <b>0</b>    | <b>0</b>   | <b>0</b>   | <b>0</b>  | <b>1050.834</b> | <b>0</b>   | <b>0</b>   |

**Table 26(f): Sikkim-Details on Recycling / Utilization/Co-Processing of Hazardous Waste**

| S.No | Type of Recycling Facilities   | No of Facilities authorized for recycling / utilization / Co-processing of HW | Total Authorized Capacity (MTA) | Quantity Recycled/ Utilized/ Co-processed (MT) during the year |
|------|--------------------------------|---|---------------------------------|--|
| A    | Commonly Recyclable HW         | 0   | 0                               | 0  |
| B    | Utilization of HW under Rule 9 | 0   | 0                               | 0  |
| C    | Co-processing in Cement Plants | 0   | 0                               | 0  |



**Table 232: Sikkim-List of Authorized Recyclers/ Utilizers/Co-processors of Hazardous Waste**

| 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) |
|------|----------------------------------|--|---|--|
| 1    | Nil                              | Nil  | Nil   | Nil  |

**Table 26(h): Sikkim-Details of Hazardous waste disposed in Common TSDF(s)**

| 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 Pre-Processed for utilization (MT) | Quantity in Stock at the end of the year (MT) |             | Cumulative HW disposed in SLF by the end of financial year (MT) | Capacity           |                   |                 |     |
|-------|------------------------------|---|-------------|--|------------------------------|------------------|---|-------------------------------------|----------------------|---|---|-------------|---|--------------------|-------------------|-----------------|-----|
|       |                              | Land fillable                                       | Incinerable | For Direct landfill                        | For Landfill after treatment | For Incineration | Quantity Landfilled directly              | Quantity Landfilled after treatment | Quantity Incinerated |   | Landfillable                                  | Incinerable |   | Incinerator (KCal) | Incinerator (T/H) | Landfill (MT/A) |     |
| 1     | Nil                          | Nil   | Nil         | Nil  | Nil                          | Nil              | Nil                                       | Nil                                 | Nil                  | Nil   | Nil   | Nil         | Nil   | Nil                | Nil               | Nil             | Nil |

**Table 26(i): Sikkim-Details of Hazardous waste disposed in Captive TSDF(s)**

| S. No. | Name and Address of Captive facility | Type of facility (landfillable/Incinerable/both) | Capacity          |                 | HW disposed during the year | Cumulative HW disposed till the end of financial year |
|--------|--------------------------------------|--|-------------------|-----------------|-----------------------------|---|
|        |                                      |  | Incinerator (T/H) | Landfill (MT/A) |                             |   |
| 1      | Nil                                  | Nil  | Nil               | Nil             | Nil                         | Nil   |

**27.**  
**TAMIL NADU**  
**(Hazardous waste generation and its Management)**

**Table 27(a): Tamil Nadu-Details of Hazardous waste Generation**

| Name of the District | No of Hazardous Waste Generatig Industry | Authorised Quantity of Hazardous Wastes (Tons/Annum) |              |            |            | Quantity of Hazardous Wastes Generated as per Annual Returns Within the State (Metric Tonnes) |             |            |            | Quantity of Wastes Imported During the year (Metric Tonnes) | Quantity of Wastes Exported During the year (Metric Tonnes) |
|----------------------|--|--|--------------|------------|------------|---|-------------|------------|------------|---|---|
|                      |  | Landfillable   | Incinerabl e | Recyclable | Utilisable | Landfillable  | Incinerable | Recyclable | Utilisable |   |   |
|                      | 1  | 2  | 3            | 4          | 5          | 6   | 7           | 8          | 9          | 10  | 11  |
| Ambattur             | 326                                      | 7725   | 6117.3       | 43723.1    | 640        | 4043  | 720         | 27240      | 650.304    | 0   | 0   |
| Ariyalur             | 25                                       | 3640.52  | 20           | 757.133    | 0          | 0   | 20          | 757.133    | 0          | 0   | 0   |
| Chennai              | 88                                       | 95.6   | 535.8        | 92.5       | 1080       | 19.82   | 321.48      | 83.25      | 936        | 0   | 0   |
| Coimbatore North     | 142                                      | 1713.692   | 177.573      | 4599.842   | 2016.29    | 1028.215  | 124.3       | 3219.89    | 806.52     | 0   | 0   |
| Coimbatore South     | 125                                      | 2228.456   | 413.718      | 40426.69   | 0          | 910   | 248.23      | 10500      | 1163.149   | 0   | 0   |
| Cuddalore            | 54                                       | 5270.41  | 2246.67      | 17887.07   | 2696.6     | 4934  | 257.41      | 6047.85    | 1532.06    | 0   | 0   |
| Dharmapuri           | 14                                       | 0.12   | 0            | 53.768     | 0          | 0.1   | 0           | 43.01      | 0          | 0   | 0   |
| Dindigul             | 39                                       | 1091.75  | 0            | 1807.704   | 3700       | 987   | 0           | 1533.754   | 0          | 0   | 0   |
| Erode                | 230                                      | 3881.06  | 0            | 1262.692   | 4836.25    | 2400  | 0           | 1145.78    | 3120       | 0   | 0   |
| Gummidipondi         | 134                                      | 3244.35  | 700.06       | 46349.07   | 0          | 2919.915  | 420.36      | 33452      | 919.254    | 16592.8   | 0   |
| Karur                | 82                                       | 3640   | 23318.800    | 20601      | 925.000    | 2184  | 13991.28    | 12360.6    | 555.000    | 0   | 0   |
| Hosur                | 135                                      | 4856.42  | 1809.44      | 19910.22   | 0          | 2913.85   | 542.832     | 19910.22   | 1969.669   | 0   | 0   |
| Kumarapalayam        | 122                                      | 1519.96  | 0            | 144.59     | 0          | 447.78  | 0           | 144.59     | 0          | 0   | 0   |
| Madurai              | 92                                       | 946.1  | 781.95       | 1369.22    | 0          | 946.1   | 21.65       | 65.8       | 619.267    | 0   | 0   |
| Maraimalai Nagar     | 316                                      | 8879   | 3979.25      | 13674.5    | 0          | 7622.3  | 1591.7      | 8363.18    | 3036       | 0   | 0   |
| Nagapatinam          | 42                                       | 5223.86  | 2.25         | 754.37     | 19569.95   | 87.815  | 3.066       | 51.94      | 0          | 0   | 0   |
| Nagercoil            | 20                                       | 2.15   | 0            | 148.57     | 0          | 2.15  | 0           | 148.57     | 0          | 0   | 0   |
| Namakkal             | 14                                       | 25.3   | 0            | 253.41     | 972.72     | 8.75  | 0           | 120.34     | 594.64     | 0   | 0   |
| Perundurai           | 162                                      | 3591.06  | 0            | 7560       | 8501.76    | 3648.09   | 4           | 0          | 7628.01    | 0   | 0   |
| Pudukottai           | 42                                       | 330.520  | 86.780       | 2539.000   | 21600.000  | 64.100  | 70.11       | 391.726    | 900.000    | 0   | 0   |

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| Name of the District   | No of Hazardous Waste Generatig Industry | Authorised Quantity of Hazardous Wastes (Tons/Annun) |                  |                 |                  | Quantity of Hazardous Wastes Generated as per Annual Returns Within the State (Metric Tonnes) |                 |                  |                 | Quantity of Wastes Imported During the year (Metric Tonnes) | Quantity of Wastes Exported During the year (Metric Tonnes) |
|------------------------|--|--|------------------|-----------------|------------------|---|-----------------|------------------|-----------------|---|---|
|                        |  | Landfillable   | Incinerabl e     | Recyclable      | Utilisable       | Landfillable  | Incinerable     | Recyclable       | Utilisable      |   |   |
|                        | 1  | 2  | 3                | 4               | 5                | 6   | 7               | 8                | 9               | 10  | 11  |
| <b>Ramanathapura m</b> | 15                                       | 0.416  | 60.97            | 0.008           | 0                | 0.416   | 60.97           | 60.97            | 0               | 0   | 0   |
| <b>Salem</b>           | 104                                      | 13645.33   | 2172.85          | 572.95          | 1273.41          | 13904.88  | 2173.66         | 1145.9           | 1273.41         | 0   | 0   |
| <b>Sivagangai</b>      | 16                                       | 10.25  | 0                | 19.83           | 92.05            | 4.506   | 0               | 23.1             | 108.65          | 0   | 0   |
| <b>Sriperumbudur</b>   | 342                                      | 21528  | 25699            | 65857           | 0                | 18400   | 7709.7          | 55420            | 4067.052        | 16269   | 0   |
| <b>Thanjavur</b>       | 31                                       | 84.96  | 3.57             | 70.87           | 0                | 84.96   | 3.57            | 54.451           | 0               | 0   | 0   |
| <b>Theni</b>           | 15                                       | 55.95  | 0                | 37.924          | 84.000           | 3   | 0               | 27.5             | 60.300          | 0   | 0   |
| <b>Thiruvannamalai</b> | 23                                       | 22.72  | 13.61            | 651.661         | 15529            | 22.72   | 13.61           | 651.661          | 0               | 0   | 0   |
| <b>Thoothukudi</b>     | 51                                       | 110313.29  | 4.91             | 18095.14        | 37668.42         | 99281.96  | 3.93            | 14476.11         | 27367.9         | 0   | 0   |
| <b>Tirunelveli</b>     | 48                                       | 73   | 13               | 2831            | 23615            | 34  | 0               | 1003             | 2338            | 0   | 0   |
| <b>Tiruppur North</b>  | 232                                      | 5000.161   | 169              | 25481.96        | 0                | 300   | 4               | 0                | 19700           | 0   | 0   |
| <b>Tiruppur South</b>  | 41                                       | 412.09   | 24               | 5367.84         | 3876.38          | 265.41  | 43.77           | 4652.73          | 6271.77         | 0   | 0   |
| <b>Tiruvallur</b>      | 175                                      | 1796.85  | 1098.58          | 7082.64         | 13013.57         | 1550.5  | 380             | 6870.6           | 8823.358        | 0   | 0   |
| <b>Trichy</b>          | 64                                       | 2771.085   | 58.110           | 2379.232        | 0.000            | 2728.035  | 57.640          | 2369.788         | 728.685         | 0   | 0   |
| <b>Udhagamandala m</b> | 17                                       | 582.3  | 16               | 55.1082         | 0                | 500.3   | 8               | 35               | 0               | 0   | 0   |
| <b>Vaniyambadi</b>     | 189                                      | 2058.8   | 0                | 15.66           | 49689.75         | 2058.8  | 0               | 15.66            | 49689.75        | 0   | 0   |
| <b>Vellore</b>         | 113                                      | 24555.605  | 653.2933         | 10860.06        | 2450             | 8040.4231   | 906.1066        | 1654.9624        | 1084.65         | 0   | 0   |
| <b>Villupuram</b>      | 29                                       | 2263   | 5316             | 63007           | 0                | 122   | 350             | 2406             | 0               | 0   | 0   |
| <b>Virudhunagar</b>    | 41                                       | 271.685  | 1547.872         | 3               | 0                | 271.685   | 1547.872        | 3                | 0               | 0   | 0   |
| <b>Total</b>           | <b>3750</b>                              | <b>243350.82</b>                                     | <b>77040.356</b> | <b>426303.3</b> | <b>213830.15</b> | <b>182740.58</b>  | <b>31599.25</b> | <b>216450.07</b> | <b>145943.4</b> | <b>32861.8</b>  | <b>0</b>  |

**Table 27(b): Tamil Nadu- 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      | Quantity sent (MT) |
|        |   |  | 12                     |  | 13                 |
| 1      | For disposal at common secured landfill                 | 0  | 0                      | 0                                      | 0                  |
| 2      | For disposal at common Incinerator                      | 0  | 0                      | 0                                      | 0                  |
| 3      | For recycling by Schedule IV recyclers                  | Karnataka, Puducherry, MP, WB, Telangana, Kerala, Andhra Pradesh | 1570.76                | 0                                      | 0                  |
| 4      | For utilization in co-processing (cement plants)        | Karnataka<br>Puducherry  | 23.15<br>1903.63       | 0                                      | 0                  |
| 5      | For utilization under Rule 9 (other than co-processing) |  | 9284                   | 0                                      | 0                  |

**Table 27(c): Tamil Nadu-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 Kiln | Other than Co-processing | Captive Utilization (other than column 15 & 16) |  | Co-processing in cement Kiln | Under Rule 9 other than co-processing | Capative Utilization (other than column 19 & 20) |
|      |                      |  |                              |                          |   |  |                              |                                       |  |
| 1    | Ambattur             | 2284   | 0                            | 0                        | 0   | 0  | 0                            | 1223.358                              | 0  |
| 2    | Ariyalur             | 0  | 55335.9                      | 0                        | 0   | 0  | 101.8                        | 0                                     | 0  |
| 3    | Chennai              | 0  | 0                            | 0                        | 975   | 0  | 0                            | 0                                     | 0  |
| 4    | Coimbatore North     | 365  | 0                            | 2129                     | 0   | 0  | 0                            | 0                                     | 0  |
| 5    | Coimbatore South     | 8256.914   | 7614.8                       | 0                        | 0   | 930.725  | 85.2                         | 0                                     | 0  |

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| 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-prcessing in cement Kiln | Other than Co-processing | Captive Utilization (other than coloumn 15 & 16) |  | Co-processing in cement Kiln | Under Rule 9 other than co-processing | Capative Utilization (other than coloumn 19 & 20) |
| 14   | 15                   | 16   | 17                          | 18                       | 19   | 20   | 0                            |                                       |   |
| 6    | Cuddalore            | 0  | 0                           | 0                        | 0  | 0  | 0                            | 198                                   | 0   |
| 7    | Dharmapuri           | 0  | 0                           | 0                        | 0  | 0  | 0                            | 0                                     | 0   |
| 8    | Dindigul             | 486.539  | 9566.355                    | 0                        | 0  | 0  | 0                            | 0                                     | 0   |
| 9    | Erode                | 55.298   | 0                           | 0                        | 0  | 0  | 0                            | 2209                                  | 0   |
| 10   | Gummidipondi         | 42806.46   | 0                           | 0                        | 0  | 0  | 0                            | 0                                     | 0   |
| 11   | Karur                | 1574.77  | 422.47                      | 0                        | 0  | 0  | 0                            | 0                                     | 0   |
| 12   | Hosur                | 0  | 0                           | 0                        | 0  | 0  | 0                            | 0                                     | 0   |
| 13   | Kumarapalayam        | 702  | 8390.87                     | 0                        | 0  | 0  | 0                            | 0                                     | 0   |
| 14   | Madurai              | 428.48   | 0                           | 0                        | 0  | 94.16  | 0                            | 0                                     | 0   |
| 15   | Maraimalai Nagar     | 4320   | 0                           | 0                        | 0  | 0  | 0                            | 0                                     | 0   |
| 16   | Nagapatinam          | 0  | 0                           | 0                        | 0  | 0  | 0                            | 0                                     | 0   |
| 17   | Nagercoil            | 0  | 0                           | 0                        | 0  | 0  | 0                            | 0                                     | 0   |
| 18   | Namakkal             | 412.98   | 0                           | 0                        | 0  | 79.78  | 0                            | 0                                     | 0   |
| 19   | Perundurai           | 0.000  | 0                           | 0.000                    | 0.000  | 0.000  | 0.000                        | 0.000                                 | 0.000   |
| 20   | Pudukottai           | 168.7  | 0                           | 0                        | 0  | 0  | 0                            | 0                                     | 0   |
| 21   | Ramanathapuram       | 0  | 0                           | 0                        | 0  | 0  | 0                            | 0                                     | 0   |
| 22   | Salem                | 10500  | 0                           | 0                        | 0  | 0  | 0                            | 0                                     | 0   |
| 23   | Sivagangai           | 0  | 0                           | 0                        | 0  | 0  | 0                            | 0                                     | 0   |
| 24   | Sriperumbudur        | 35402  | 0                           | 0                        | 0  | 0  | 0                            | 5281                                  | 0   |
| 25   | Thanjavur            | 0  | 0.000                       | 0.000                    | 0.000  | 0  | 0.000                        | 0.000                                 | 0.000   |
| 26   | Theni                | 142  | 0                           | 0                        | 0  | 62.45  | 0                            | 0                                     | 0   |

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| 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-prcessing in cement Kiln | Other than Co-processing | Captive Utilization (other than coloumn 15 & 16) |  | Co-processing in cement Kiln | Under Rule 9 other than co-processing | Capative Utilization (other than coloumn 19 & 20) |
| 14   | 15                   | 16   | 17                          | 18                       | 19   | 20   | 0                            |                                       |   |
| 27   | Thiruvannamalai      | 0  | 0                           | 0                        | 0  | 0  | 0                            | 0                                     |   |
| 28   | Thoothukudi          | 3662.834   | 0                           | 0                        | 26156.69   | 0  | 0                            | 0                                     |   |
| 29   | Tirunelveli          | 746.23   | 1410                        | 0                        | 580  | 0  | 0                            | 0                                     |   |
| 30   | Tiruppur North       | 325  | 0                           | 0                        | 0  | 0  | 0                            | 0                                     |   |
| 31   | Tiruppur South       | 0  | 0                           | 0                        | 0  | 0  | 0                            | 0                                     |   |
| 32   | Tiruvallur           | 3757.23  | 0.000                       | 1450.000                 | 0.000  | 31.000   | 0.000                        | 0.000                                 |   |
| 33   | Trichy               | 1559.15  | 0                           | 0                        | 0  | 186.814  | 0                            | 0                                     |   |
| 34   | Udhagamandalam       | 0  | 0                           | 0                        | 0  | 0  | 0                            | 0                                     |   |
| 35   | Vaniyambadi          | 0  | 0                           | 0                        | 0  | 0  | 0                            | 0                                     |   |
| 36   | Vellore              | 2365.49  | 0                           | 1651.28                  | 0  | 40   | 1651.28                      | 0                                     |   |
| 37   | Villupuram           | 2333.43  | 0                           | 0                        | 0  | 28.17  | 0                            | 0                                     |   |
| 38   | Virudhunagar         | 0  | 0                           | 0                        | 0  | 0  | 0                            | 0                                     |   |
|      | Total                | <b>122654.505</b>  | <b>82740.395</b>            | <b>5230.28</b>           | <b>27711.69</b>                                  | <b>1453.099</b>  | <b>1838.28</b>               | <b>8911.358</b>                       | <b>0</b>  |

**Table 27(d): Tamil Nadu-Details on Hazardous Waste Disposed**

| S.No | Name of the District | Disposal of hazardous waste (generated with in the State/UT) |         |   |         | Disposal of hazardous waste(received from other State/UT) |         |   |         |
|------|----------------------|--|---------|---|---------|---|---------|---|---------|
|      |                      | Quantity Disposed in Secured Land fill (MT)                  |         | Quantity Disposed through incinerator(MT) |         | Quantity Disposed in secured landfill (MT)                |         | Quantity Disposed through incinerator(MT) |         |
|      |                      | Common   | Captive | Common                                    | Captive | Common  | Captive | Common                                    | Captive |
|      |                      | 22   | 23      | 24  | 25      | 26  | 27      | 28  | 29      |
| 1    | Ambattur             | 5043   | 0       | 787                                       | 0       | 0   | 0       | 0   | 0       |
| 2    | Ariyalur             | 0  | 0       | 9   | 0       | 0   | 0       | 0   | 0       |
| 3    | Chennai              | 34   | 0       | 34  | 0       | 0   | 0       | 0   | 0       |
| 4    | Coimbatore North     | 548  | 0       | 35  | 0       | 0   | 0       | 0   | 0       |
| 5    | Coimbatore South     | 175  | 0       | 77  | 0       | 0   | 0       | 0   | 0       |
| 6    | Cuddalore            | 8611   | 0       | 42  | 0       | 0   | 0       | 0   | 0       |
| 7    | Dharmapuri           | 0  | 0       | 0   | 0       | 0   | 0       | 0   | 0       |
| 8    | Dindigul             | 4  | 0       | 0   | 0       | 0   | 0       | 0   | 0       |
| 9    | Erode                | 3042   | 0       | 0   | 0       | 0   | 0       | 0   | 0       |
| 10   | Gummidipondi         | 4908   | 0       | 190                                       | 0       | 0   | 0       | 0   | 0       |
| 11   | Karur                | 1497.000   | 0.000   | 0.000                                     | 0.000   | 0.000   | 0.000   | 0.000                                     | 0.000   |
| 12   | Hosur                | 1642   | 0       | 228                                       | 0       | 0   | 0       | 0   | 0       |
| 13   | Kumarapalayam        | 141.75   | 0       | 0   | 0       | 0   | 0       | 0   | 0       |
| 14   | Madurai              | 992  | 0       | 15  | 0       | 0   | 0       | 0   | 0       |
| 15   | Maraimalai Nagar     | 5254   | 0       | 672                                       | 0       | 0   | 0       | 0   | 0       |
| 16   | Nagapatinam          | 6  | 0       | 1   | 0       | 0   | 0       | 0   | 0       |
| 17   | Nagercoil            | 0  | 0       | 0   | 0       | 0   | 0       | 0   | 0       |
| 18   | Namakkal             | 5.25   | 0       | 0   | 0       | 0   | 0       | 0   | 0       |
| 19   | Perundurai           | 6284   |         | 4   | 0       | 0   | 0       | 0   | 0       |
| 20   | Pudukottai           | 94.000   | 0.000   | 110.000                                   | 0.000   | 0.000   | 0.000   | 0.000                                     | 0.000   |
| 21   | Ramanathapuram       | 0  | 0       | 0   | 0       | 0   | 0       | 0   | 0       |



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|    |                        |         |           |            |         |       |       |       |       |
|----|------------------------|---------|-----------|------------|---------|-------|-------|-------|-------|
| 22 | <b>Salem</b>           | 112     | 13335     | 2          | 2172.04 | 0     | 0     | 0     | 0     |
| 23 | <b>Sivagangai</b>      | 0       | 0         | 0          | 0       | 0     | 0     | 0     | 0     |
| 24 | <b>Sriperumbudur</b>   | 6261    | 0         | 1762       | 0       | 0     | 0     | 0     | 0     |
| 25 | <b>Thanjavur</b>       | 34      | 0         | 3          | 0       | 0     | 0     | 0     | 0     |
| 26 | <b>Theni</b>           | 0.000   | 0.000     | 0.000      | 0.000   | 0.000 | 0.000 | 0.000 | 0.000 |
| 27 | <b>Thiruvannamalai</b> | 101     | 0         | 10         | 0       | 0     | 0     | 0     | 0     |
| 28 | <b>Thoothukudi</b>     | 15      | 99267.22  | 1          | 0       | 0     | 0     | 0     | 0     |
| 29 | <b>Tirunelveli</b>     | 28      | 0         | 0          | 0       | 0     | 0     | 0     | 0     |
| 30 | <b>Tiruppur North</b>  | 272     | 0         | 2          | 0       | 0     | 0     | 0     | 0     |
| 31 | <b>Tiruppur South</b>  | 320     | 0         | 0          | 0       | 0     | 0     | 0     | 0     |
| 32 | <b>Tiruvallur</b>      | 1500.5  | 0         | 174        | 0       | 0     | 0     | 0     | 0     |
| 33 | <b>Trichy</b>          | 496.000 | 0.000     | 25.000     | 0.000   | 0.000 | 0.000 | 0.000 | 0.000 |
| 34 | <b>Udhagamandalam</b>  | 0       | 0         | 4          | 0       | 0     | 0     | 0     | 0     |
| 35 | <b>Vaniyambadi</b>     | 379     | 0         | 0          | 0       | 0     | 0     | 0     | 0     |
| 36 | <b>Vellore</b>         | 11233   | 0         | 679.57995  | 0       | 0     | 0     | 0     | 0     |
| 37 | <b>Villupuram</b>      | 179     | 0         | 350        | 0       | 0     | 0     | 0     | 0     |
| 38 | <b>Virudhunagar</b>    | 0       | 0         | 271.685    | 0       | 0     | 0     | 0     | 0     |
|    | <b>Total</b>           | 59211.5 | 112602.22 | 5488.26495 | 2172.04 |       |       |       |       |

**Table 27(e): Tamil Nadu-Details on Hazardous Waste Stored at Occupier Premises**

| S.No | Name of the District | Total Quantity of HW stored at Occupier premises at the beginning of the financial year i.e 01.04.2017 (MT) |             |            |            | Total Quantity of HW stored at Occupier premises during the financial year i.e. 1st April to 31 st March 2018 (MT) |             |            |            |
|------|----------------------|---|-------------|------------|------------|--|-------------|------------|------------|
|      |                      | Landfillable  | Incinerable | Recyclable | Utilizable | Landfillable   | Incinerable | Recyclable | Utilizable |
|      |                      | 30  | 31          | 32         | 33         | 34   | 35          | 36         | 37         |
| 1    | Ambattur             |   | 105         | 4370       | 0          | 496  | 38          | 9500       | 40         |
| 2    | Ariyalur             | 0   | 0           | 0          | 0          | 0  | 11          | 104.23     | 0          |
| 3    | Chennai              | 27.24   | 96.44       | 24.97      | 39         | 84.06  | 383.92      | 21.65      | 2500       |
| 4    | Coimbatore North     | 257.05  | 35.51       | 460        | 2993       | 737.3  | 124.81      | 500        | 1670.52    |
| 5    | Coimbatore South     | 204.228   | 74.46       | 1500       | 392.900    | 939.2  | 245.69      | 3659       | 769.839    |
| 6    | Cuddalore            | 4217  | 99.11       | 422.19     | 256.04     | 540  | 314.52      | 1326       | 255.81     |
| 7    | Dharmapuri           | 0   | 0           | 4.71       | 0          | 0.1  | 0           | 5.23       | 0          |
| 8    | Dindigul             | 10.000  | 0.000       | 41.700     | 0.000      | 993.000  | 0.000       | 59.750     | 0          |
| 9    | Erode                | 712   | 0           | 155.5      | 100        | 70   | 0           | 165.48     | 150        |
| 10   | Gummidipondi         | 2244.5  | 30          | 0          | 0          | 256.4  | 260.36      | 22000      | 4988       |
| 11   | Karur                | 4132  | 6995.84     | 6180       | 277.5      | 4819   | 8902.286    | 8240.4     | 370        |
| 12   | Hosur                | 1500.000  | 0.000       | 300.000    | 0.000      | 2771.900   | 314.832     | 10456.000  | 10456      |
| 13   | Kumarapalayam        | 206   | 0           | 36.15      | 0          | 512.03   | 0           | 36.15      | 0          |
| 14   | Madurai              | 85.15   | 5.8         | 23.5       | 0          | 39.3   | 12.45       | 65.8       | 0          |
| 15   | Maraimalai Nagar     | 1200  | 0           | 0          | 0          | 3568.3   | 919.7       | 3184       | 518        |
| 16   | Nagapatinam          | 960.198   | 0           | 253.492    | 0          | 1042   | 2.066       | 263.5835   | 0          |
| 17   | Nagercoil            | 7.7   | 0           | 0          | 0          | 9.85   | 0           | 38.56      | 0          |
| 18   | Namakkal             | 2.63  | 0           | 36.1       | 178.39     | 6.13   | 0           | 84.24      | 0          |
| 19   | Perundurai           | 4684.99   | 0           | 0          | 1304.98    | 2049.087   | 0           | 0          | 3120       |
| 20   | Pudukottai           | 79.438  | 62.52       | 11.388     | 134.17     | 49.538   | 22.63       | 14.57      | 192.2      |
| 21   | Ramanathapuram       | 0.21  | 0           | 0          | 0          | 0.626  | 60.97       | 60.97      | 0          |
| 22   | Salem                | 259.55  | 2.04        | 572.95     | 1273.41    | 717  | 1.62        | 1145.9     | 792.28     |
| 23   | Sivagangai           | 18.65   | 0           | 3.295      | 78.68      | 23.156   | 0           | 3.485      | 0          |

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| S.No | Name of the District | Total Quantity of HW stored at Occupier premises at the beginning of the financial year i.e 01.04.2017 (MT) |                  |                  |                 | Total Quantity of HW stored at Occupier premises during the financial year i.e. 1st April to 31 st March 2018 (MT) |                    |                    |                  |
|------|----------------------|---|------------------|------------------|-----------------|--|--------------------|--------------------|------------------|
|      |                      | Landfillable  | Incinerable      | Recyclable       | Utilizable      | Landfillable   | Incinerable        | Recyclable         | Utilizable       |
|      |                      | 30  | 31               | 32               | 33              | 34   | 35                 | 36                 | 37               |
| 24   | Sriperumbudur        | 11.52   | 14.5             | 12.6             | 0               | 12151  | 0                  | 31805              | 363.526          |
| 25   | Thanjavur            | 14.8  | 1.01             | 3.6              | 0               | 65.76  | 1.58               | 3.95               | 0                |
| 26   | Theni                | 3   | 0                | 0                | 7               | 6  | 0                  | 0                  | 15               |
| 27   | Thiruvannamalai      | 97.58   | 2.04             | 97.7             | 0               | 19.3   | 5.65               | 580.2              | 0                |
| 28   | Thoothukudi          | 89353.76  | 3.54             | 1302.4           | 23730.3         | 89353.78   | 6.47               | 14476.11           | 24941.51         |
| 29   | Tirunelveli          | 43.3  | 0                | 912              | 1542            | 49.3   | 0                  | 641                | 100              |
| 30   | Tiruppur North       | 12  | 2                | 0                | 0               | 40   | 4                  | 0                  | 2200             |
| 31   | Tiruppur South       | 953.84  | 114.5            | 10171.4          | 5258.11         | 899.3  | 158.27             | 12311.32           | 1132             |
| 32   | Tiruvallur           | 100   | 20               | 500              | 80              | 150  | 226                | 870                | 682.19           |
| 33   | Trichy               | 135.730   | 19.390           | 38.780           | 0.000           | 2367.800   | 52.030             | 877.160            | 0                |
| 34   | Udhagamandalam       | 0   | 5                | 20.05            | 0               | 500.3  | 4                  | 10.5               | 0                |
| 35   | Vaniyambadi          | 1646  | 0                | 0                | 11214           | 3325.8   | 480.3612           | 0                  | 13509            |
| 36   | Vellore              | 4020.21155  | 453.0533         | 2068.703         | 570             | 828  | 679.57995          | 1293.3354          | 175              |
| 37   | Villupuram           | 203   | 14               | 1000             | 0               | 146  | 19                 | 725                | 0                |
| 38   | Virudhunagar         | 0   | 0                | 25               | 0               | 271.69   | 0                  | 25                 | 0                |
|      | <b>Total</b>         | <b>117403.2756</b>  | <b>8155.7533</b> | <b>30548.178</b> | <b>49429.48</b> | <b>129898.007</b>  | <b>13251.79515</b> | <b>124553.5739</b> | <b>68940.875</b> |

**Table 27(f): Tamil Nadu-Details on Recycling / Utilization/Co-Processing of Hazardous Waste**

| Type of Recycling Facilities               | District         | No of Facilities<br>Authorization of Recycling<br>/utilization Co-processing<br>of HW | Total Authorized<br>Capacity (MTA) | Quantity<br>Recycled<br>/Utilized<br>/Coprocesed<br>(MT) |
|--|------------------|---|------------------------------------|--|
| Copper Baring Waste                        |                  |   |                                    |  |
| Lead bearing waste including battery waste | Ambattur         | 2   | 2284                               | 2284   |
|  | Villupuram       | 1   | 500                                | 0  |
|  |                  |   | 2784                               | 2284   |
|  | Sriperumbudur    | 1   | 16,400                             |  |
|  | Dindigul         | 1   | 19,184                             | 0  |
|  |                  |   | 3700                               |  |
| Zinc bearing waste                         | Gummidipoondi    | 5   | 90840                              | 23545  |
|  | Hosur            | 1   | 6500                               | 0  |
|  | Maraimalai Nagar | 1   | 35000                              | 4320   |
|  | Pudukottai       | 2   | 1780                               | 168.7  |
|  | Salem            | 1   | 10500                              | 10500  |
|  | Sriperumbudur    | 1   | 36000                              | 35402  |
|  | Theni            | 1   | 540                                | 142  |
|  | Thoothukudi      | 1   | 15750                              | 3662.834   |
|  | Tiruvallur       | 4   | 9680                               | 3287.51  |
|  | Trichy           | 1   | 1200                               | 1191.9   |
|  | Coimbatore (S)   | 1   | 25200                              | 3315.337   |
|  | Vellore          | 1   | 7200                               | 2255.18  |
|  | Gummidipoondi    | 1   | 1500                               | 0  |
| Zinc bearing waste                         | Kumarapalayam    | 1   | 720                                | 702  |
|  | Namakkal         | 1   | 1596                               | 492.76   |
|  | Trichy           | 2   | 1645.6                             | 395.18   |

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| Type of Recycling Facilities | District       | No of Facilities<br>Authorization of Recycling<br>/utilization Co-processing<br>of HW | Total Authorized<br>Capacity (MTA) | Quantity<br>Recycled<br>/Utilized<br>/Coprocesed<br>(MT) |
|------------------------------|----------------|---|------------------------------------|--|
|                              | Villupuram     | 1   | 1350                               | 0  |
| Used Oil                     | Coimbatore (N) | 2   | 5100                               | 365  |
|                              | Coimbatore (S) | 1   | 13950                              | 4950   |
|                              | Dindigul       | 1   | 1350                               | 244.004  |
|                              | Erode          | 1   | 55.298                             | 55.298   |
|                              | Gummidipoondi  | 3   | 9832                               | 7660.8   |
|                              | Karur          | 1   | 4179.96                            | 962  |
|                              | Hosur          | 1   | 1571                               | 0  |
|                              | Madurai        | 4   | 14305.6                            | 522.64   |
|                              | Perundurai     | 2   | 7560                               | 0  |
|                              | Tiruppur (N)   | 1   | 40.32                              | 270  |
|                              | Theni          | 1   |                                    | 62.45  |
|                              | Vellore        | 2   | 8100                               | 172.1  |
|                              | Villupuram     | 1   | 10584                              | 15.62  |
| Waste oil                    | Coimbatore (N) | 1   | 4320                               | 0  |
|                              | Coimbatore (S) | 2   | 12400                              | 922.302  |
|                              | Dindigul       | 1   | 9000                               | 242.535  |
|                              | Gummidipoondi  | 3   | 11600.66                           | 11600.66   |
|                              | Karur          | 1   | 999.6                              | 612.77   |
|                              | Madurai        | 1   | 4500                               | 0  |
|                              | Tirunelveli    | 1   | 720                                | 746.23   |
|                              | Tiruvallur     | 2   | 3780                               | 6.836  |
|                              | Vellore        | 1   | 5400                               | 0  |
|                              | Villupuram     | 1   | 4300                               | 184.6  |

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| Type of Recycling Facilities  | District       | No of Facilities<br>Authorization of Recycling<br>/utilization Co-processing<br>of HW | Total Authorized<br>Capacity (MTA) | Quantity<br>Recycled<br>/Utilized<br>/Coprocesed<br>(MT) |
|---|----------------|---|------------------------------------|--|
|   |                | 66  | 429493.718                         | 123544.246   |
| Co-processing in Cement Plants  | Ariyalur       | 3   | 335277                             | 55335.9  |
|   | Coimbatore (S) | 1   |                                    | 7700   |
|   | Dindigul       | 1   | 37560                              | 9566.355   |
|   | Karur          | 1   | 925                                | 422.47   |
|   | Kumarapalayam  | 1   | 8395                               | 8390.87  |
|   | Tirunelveli    | 1   | 21500                              | 1410   |
|   |                | 8   | 403657                             | 82825.595  |
| De-contamination of contaminated drums<br>/containers/barrels   | Chennai        | 1   | 1080                               | 975  |
| Spent catalyst containing nickel, cadmium, Zinc,<br>Copper arsenic, Vanadium and cobalt   | Coimbatore (N) | 2   | 4012                               | 2129   |
|   | Dindigul       | 1   |                                    | 6000   |
|   | Tiruvallur     | 2   | 1450                               | 1450   |
|   | Cuddalore      | 1   | 1200                               | 196  |
|   |                | 1   | 7742                               | 10,750   |
|   | Tiruppur (N)   | 1   | 2100                               | 55   |
| Aluminium Dross   | Tiruvallur     | 1   | 4800                               | 493.885  |
| Utilization of Spent Sodium Dichromate Solution<br>generated during manufacturing of ibuprofen for<br>production of Basic Chromium Sulphate | Ambattur       | 1   | 1330                               | 1223.36  |
|   | Sri Perumbudur | 1   | 8400                               | 5281   |
|   | Villupuram     | 1   | 375                                | 375  |
|   | Erode          | 1   | 2555                               | 2209   |
| Spent Solvent   | Villupuram     | 4   | 9480                               | 2133.21  |
|   | Tirivalur      | 1   | 4728                               |  |

| Type of Recycling Facilities | District     | No of Facilities Authorization of Recycling /utilization Co-processing of HW | Total Authorized Capacity (MTA) | Quantity Recycled /Utilized /Coprocesed (MT) |
|------------------------------|--------------|--|---------------------------------|--|
|                              | Kancheepuran | 2  | 8620                            | 5361   |
|                              |              |  | 22,828                          | 7494.21                                      |

Table 27(g): Tamil Nadu-List of Authorized Recyclers/ Utilizers/Co-processors of Hazardous Waste

| District | S.No | Name and address of the Facility   | Type of Hazardous Waste Recycled  | Authorized Recycling /Utilization /Co-Processing Capacity (MTA) | Quantity Recycled/ Utilization / Co processing Capacity (MT) |
|----------|------|--|---|---|--|
| Ambattur | 1    | M/s. HIFLO SOLDERS PVT LTD S.F. No 1131/1A1A2, MADHAVARAM Village, MADHAVARAM Taluk, Tiruvallur District                     | Schedule III/Part - B- B1 - Metal and metal -bearing wastes, Bn1070- Waste of Copper and copper alloys in dispersible form, unless they contain any of the constituents mentioned in Schedule II to an extent that they exhibit part C characteristics. | 660   | 660  |
|          |      |  | Schedule I /31. Electronic Industry, 31.1 - Process residue and wastes  | 624   | 624  |
|          | 2    | M/s. Jain Metal Rolling Mills, S.F. No. 1073/4, 24/2, 41/2, 41/2A, Madhavaram Village, Madhavaram Taluk, Tiruvallur District | Schedule II /B Concentration limit: more than 5000 mg/kg, B3 Copper compounds   | 400   | 400  |
|          |      |  | Schedule II /B Concentration limit: more than 5000 mg/kg, B3 Copper compounds   | 600   | 600  |

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|                 |  |  |  |          |                  |
|-----------------|--|--|--|----------|------------------|
|                 | 3  | M/s. Ayes Dyes & Chemicals, 17 1st Cross Street Vanagaram Road, Ayanambakkam, Chennai 602 102. | Utilization of Sodium Bi Chromate Solution generated during manufacturing of ibuprofen for production of Basic Chromium Sulphate | 1330     | 1223.36          |
|                 |  |  |  |          | <b>3507.36</b>   |
| <b>Ariyalur</b> | 1  | Ultra Tech Cement Ltd, Reddipalayam Village, Ariyalur District.                                | 21.1 Process Wastes, residues & Sludges  | 25,550   | 2,716            |
|                 |  |  | 4.1 Oily sludge /emusion   | 25,550   | 0                |
|                 |  |  | 5.1 Wastes /residues Containing Oil  | 147      | 14               |
|                 |  |  | 5.2 Oil soaked cotton waste from automobile industries   | 500      | 289              |
|                 |  |  | CETP/IETP sludge of textile industry   | 1,27,750 | 46,468           |
|                 |  |  | 34.3 Chemical sludge from automobile industries  | 43,800   | 0                |
|                 |  |  | 34.3 Phosphate sludge from automobile industries   | 43,800   | 0                |
|                 |  |  | 36.4 Green mesh with Resin   | 36,500   | 0                |
|                 |  |  | 21.1 Process Wastes, residues & Sludges  | 25,550   | 2,716            |
|                 | 2  | M/s. Dalmia Cement (Bharat) Ltd, palanganatham - Village, Ariyalur - Tk &Dt. Pin 621 651       | Solid Waste Mix from GEPIL, Ranipet.   | 16,500   | 20.96            |
| 3               | Dalmia Cement (Bharat) Limited, S.F. No. 630, Thamaraiikulam Village, Ariyalur 621 705 | Solid Waste Mix  | 15,180   | 3,111.94 |                  |
|                 |  |  |  |          | <b>55,335.90</b> |



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|                       |  |   |  |             |             |
|-----------------------|--|---|--|-------------|-------------|
| <b>Chennai</b>        | 1  | M/s. T Sathyanarayana Chetty No. 3 Veerakutty Street Old Washernment, Chennai 21.   | Hazardous Chemical contaminated drums/containers/barrels   | 1080        | <b>975</b>  |
| <b>Coimbatore (N)</b> | 1  | Nagalakshmi Agencies Unit - II S.F.No.540/1B2B, Vellakinar Village Saravanampatti Road, Coimbatore - 641 029                | 3.1 - Oil- Containing Cargo residue, washing water and sludge  | 4320        | 0           |
|                       |  |   | 4.1 - Oily sludge / emulsion   |             |             |
|                       |  |   | 4.3 - Slop oil   |             |             |
|                       |  |   | 5.2 - Wastes / residues containing oil   |             |             |
|                       | 2  | Nagalakshmi Agencies S.F.No.540/1, Saravanampatti Main Road Vellakinar Post, Coimbatore - 641 029                           | 5.1 - Used Oil   | 3600        | 0           |
|                       | 3  | Shri Sathya Sai Lubricants S.No.86/1F Kunnathur Village, Annur Taluk COSMAFAN Foundry Cluster Park-III Coimbatore - 641 107 | 5.1 - Used Oil   | 1500        | 365         |
| 4                     | Veeyes Alloys Pvt Limited SF.No.518-1A and 1B and 520-1 Saravanampatty,Thudiyalur Road Vellakinar Post, Coimbatore - 641 029 | 33.3. Discarded containers / barrels / liners contaminated with hazardous wastes/ chemicals                                 | 3532   | 2119        |             |
| 5                     | K.M.Agency No.1/35-A, Kuranur, Kemmarampalayam Village, Mettupalayam Taluk, Coimbatore - 641 113.                            | 33.3. Discarded containers / barrels / liners contaminated with hazardous wastes/ chemicals                                 | 480  | 10          |             |
|                       |  |   |  |             | <b>2494</b> |
| <b>Coimbatore (S)</b> | 1  | M/s. Sri Balaji Industries S.F. No. 16/4 Part, Sirukalandai Village, Kinathukadavu Taluk, Coimbatore                        | 3.1 Oil containing cargo residue (ship) 3.3 Sludge from Filter (ship) 3.4 Ballast water containing oil | 400 KL/Year | 400         |

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|   | District  | (ship)   |               |          |
|---|---|--|---------------|----------|
| 2 | M/s. Sri Balaji Industries Unit II, S.F. No. 16/4 Part, Sirukalandai Village, Kinathukadavu Taluk, Coimbatore District  | 3.1 Used /spent oil  | 4950 T/Year   | 4950     |
| 3 | M/s. Arpe Lubricants, S.F. No. 406, Malumichapatti Village, Plot NO. 94, SIDCO Industrial Estate, Coimbatore 641 021.   | 3.1 Oil containing cargo residue, washing water and sludge   | 3000 KL/Year  | 0        |
|   |   | 5.1 Used /Spent Oil  | 9000 KL/Year  |          |
| 4 | M/s. Jaya Traders, S.F. 36, Seerapalayam Village, Coimbatore (South) Taluk, Coimbatore District   | 3.1 Oil - containing cargo residue, washing water and sludge | 9000 KL/Annum | 522.302  |
|   |   | 5.1 Used /Spent Oil  |               |          |
| 5 | M/s EMAAR Lead Company Limited, SF No 47, Puliymarathupalayam Road, Selakaricahl Village, Sulur taluk, Coimbatore   | Lead Battery   | 25200 MT      | 3315.337 |
|   |   |  |               | 9187.639 |
| 6 | M/s. ACC Limited, Madukkarai Cement Works, R.S. No. 1053/3, 1054/2/1060/3, 1091/1, 1058/1 & 1206/3, Madukkarai Village, Coimbatore South Taluk, Coimbatore District | 35.3   | 90,720        | 7,478.26 |
|   |   | 5.2  | 3,499         | 96.27    |
|   |   | 5.2  | 36,417        | 48.84    |
|   |   | 21.1   | 2,20,320      | 16.34    |
|   |   | 35.3   | 26,438        | 16.40    |

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|                   |   |  |   |          |         |
|-------------------|---|--|---|----------|---------|
|                   |   |  | 23.1  | 61,689   | 43.48   |
|                   |   |  | Total   | 2,18,763 | 7,700   |
|                   |   |  | Foot note*: was issued with HWA to process the Hazardous waste in terms of % use of HW based on feed. Hence the value is abnormal. The actual quantity processes is 7700 T. |          |         |
| <b>Cuddalore</b>  | 1 | Daniel Barrels 59/2 Kammimanagar Salai M Pudur Post Arisiperiyankuppam, Cuddalore      | 33.1  | 1200     |         |
| <b>Dharmapuri</b> |   |  | Nil   |          |         |
| <b>Dindigul</b>   | 1 | M/s. S.V.M.A Alloys, Kurumbapatty, Village, Dindigul West Taluk, Dindigul District     | A1160-Waste lead acid batteries, whole or crushed   | 3700     | 0       |
|                   | 2 | M/s. Sasi Industries, Balakrishnapuram Village, Dindigul East Taluk, Dindigul District | Used/Spent Oil  | 1350     | 244.004 |
|                   |   |  | Waste Oil   | 1800     | 41.485  |
|                   |   |  | Tarry residues  | 1800     | 159.2   |
|                   |   |  | Spent solvents  | 3600     | 41.85   |
|                   |   |  | Oil containing cargo residue washing water and sludge   | 600      | 0       |
|                   |   |  | sludge and filters contaminated with oil  | 600      | 0       |
|                   |   |  | Ballast water containing oil from ships   | 600      | 0       |
|                   |   |  |   |          |         |

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|                      |   |   |   |              |          |
|----------------------|---|---|---|--------------|----------|
|                      |   |   | Discarded containers/barrels/liners contaminated with hazardous wastes /chemicals | 600 Nos/Year | 6000     |
|                      | 3 | M/s. Chettinad Cements Corporation Ltd, Karikali Village, Vadansandur Taluk, Dindigul District  | 4.1 Oil Sludge or Emulsion  | 3600         | 0        |
|                      |   |   | 5.1 Used /Spent Oil   | 60           | 0        |
|                      |   |   | 5.2 Waste or Residuecontaining Oil  | 1500         | 256.24   |
|                      |   |   | 21.1 Process Waste, Residue and sludge  | 9000         | 244.04   |
|                      |   |   | 28.1 Process Residue and Waste  | 4800         | 0        |
|                      |   |   | 28.3 spent carbon   | 4800         | 0        |
|                      |   |   | 28.6 spent solvent  | 4200         | 0        |
|                      |   |   | 35.3 Chemical Sludge from Waste Water Treatment Plant                             | 7200         | 6744.495 |
|                      |   |   | 37.3 concentration or Evaporation residues  | 2400         | 2321.58  |
|                      |   |   |   | 37560        | 9566.355 |
| Erode                | 1 | M/s. Saizrol Industries, 64, Thannerpandalpalayam Road, Sunnambu Odai, Erode 638 005.   | 1. Used Oil<br>2. Oily sludge/emulsion<br>3. Spent clay containing oil            | 55.298       | 55.298   |
|                      | 2 | Tanwell SF No. 69/1 Virapalayam village, Erode Taluk, Erode District  | A5. Waste containing Chromium compounds   | 2241         | 2209     |
| <b>Gummidipoondi</b> | 1 | M/s. Supreme Petro Products (used Oil) S.F.No. 225 /1A 2J, 225/1A2/c Eguvarpalayam Village, Gummidipoondi Taluk, Tiruvallur District. | Used oil  | 4960         | 4960     |

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|    |  |                        |       |       |
|----|--|------------------------|-------|-------|
| 2  | M/s.Supreme petro Products (Waste Oil) S.F.No.225/1AJ,225/1Ak Eguvarpalayam Village, Gummdipoondi Taluk, Tiruvallur District.                | Waste oil              | 10800 | 10800 |
| 3  | M/s. Roshan Metal, Sirupuzalpettai Gummidipoondi Taluk, Tiruvallur District  | Used Lead Acid Battery | 2280  | 2280  |
| 4  | M/s. GMT Alloys B25 Sipcot Industrial SF.No.351 Pappankuppam, Gummdipoondi Taluk, Tiruvallur District.                                       | Used Lead Acid Battery | 2400  | 2400  |
| 5  | M/s. Sree Sumangala Metals and Industries pvt ltd, Plot no. B-51/1, SIPCOT Industrial Complex, Gummidipoondi and Taluk, Tiruvallur District. | Used Lead Acid Battery | 27600 | Nil   |
| 6  | M/s JAIN METALS ROLLING MILLS, PLOT NO. R1 & R2, SIPCOT INDUSTRIAL ESTATE, Gummidipoondi and Taluk, Tiruvallur Dt                            | Used Lead Acid Battery | 51000 | 17990 |
| 7  | M/s Quality Lube Products Limited, No.35A, SIDCO Industrial Estate Vichoor, Ponneri Taluk, Tiruvallur District                               | Used oil               | 2880  | 200.8 |
| 8  | M/s Quality Lube Products Limited, No.35A, SIDCO Industrial Estate Vichoor, Ponneri Taluk, Tiruvallur District                               | Waste oil              | 800   | 800   |
| 9  | Quality Zinc Chem NO. 231/4, Vichoor Village, Ponneri Taluk, Tiruvallur district   | Zinc Bearing Waste     | 1500  | 641.6 |
| 10 | Shri Sabhari Smelter Pvt ltd, No. 280pt, 281pt Vichoor Village, Ponneri Taluk, Tiruvallur Dt.  | Used Lead Acid Battery | 7560  | 875   |

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|                      |    |   |   |          |          |
|----------------------|----|---|---|----------|----------|
|                      | 11 | M/s Priya Petro Products, No. 123<br>SIDCO Industrial Estate, Vichoor,<br>Ponneri Taluk, Tiruvallur Dt  | Used oil  | 2592     | 2500     |
|                      | 12 | M/s Priya Petro Products, No. 123<br>SIDCO Industrial Estate, Vichoor,<br>Ponneri Taluk, Tiruvallur Dt  | Waste oil   | 0.66     | 0.66     |
|                      |    |   |   |          | 43448.06 |
| <b>Karur</b>         | 1  | M/s. Vinayaga Lubricants, S.F. No.<br>561/2A, 2B, and 562 Part, Plot No. 67,<br>SIDCO Industrial Estate, Athur Village,<br>Karur Taluk & District | 5.1 Used /Spent Oil   | 4179.96  | 962      |
|                      |    |   | 3.1 Waste Oil containg cargo<br>residues washing water & sludge | 999.6    | 612.77   |
|                      |    |   | 1.2 Tarry residue   | 1500     | -        |
|                      |    |   | 3.3 Sludge & Filters  | 999.6    | -        |
|                      |    |   | 3.4 Ballast Water containing oil from<br>ships                  | 999.6    | -        |
|                      |    |   | 20.2 spent solvents   | 3000     | -        |
|                      |    |   | 20.3 Spent residue  | 11640    | -        |
|                      |    |   |   |          |          |
|                      | 2  | M/s. Chettinad Cements Corporation<br>Ltd, Karur - Trichy Main Road, Karur<br>Taluk, Karur District   | CETP/IETP Sludge of textile industry                            | 925      | 422.47   |
| <b>Hosur</b>         | 1  | M/s. Shree Durgai Lubes   | Used Oil  | 1571 T/Y | 0        |
|                      | 2  | M/s. Global Lead Alloys   | Used Lead Acid Battery  | 6500 T/Y | 0        |
| <b>Kumarapalayam</b> | 1  | M/s. Sayee Chem Industries<br>Thokkavadi, Goundempalayam,<br>Thiruchengode Taluk, Namakkal<br>District  | Zinc Ash  | 720      | 702      |

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|                         |   |  |  |                  |                  |
|-------------------------|---|--|--|------------------|------------------|
|                         | 2   | M/s. THE INDIA CEMENTS LIMITED<br>Sankari west Post<br>sankari, Kumarapalayam Taluk<br>Namakkal District                                 | ETP Sludge   | 8395             | 8390.87          |
| <b>Madurai</b>          | 1   | M/s. Sun Reclaimery Madurai<br>Automobile Co-op Indl Estate<br>Kappalur, Madurai -625 008  | Used/Spent Oil   | 4140             | 200.03           |
|                         |   |  | Waste Oil/Sludge Emulsion/Spent<br>clay containy Oil     |                  |                  |
|                         | 2   | M/s. Sun Reclaimery Waste oil<br>Division, Plot No. A25-27, A49-51<br>Madurai Automobile Co-op Indl Estate<br>Kappalur, Madurai -625 008 | Waste Oil/slop Oil/ Oily sludge<br>Emulsion              | 4500             | Not in operation |
|                         |   |  | Oil containing cargo residue washing<br>water and sludge |                  |                  |
|                         |   |  | sludge and filters contaminated with<br>oil              |                  |                  |
|                         | 3   | M/s. Southern Petrocoal, 1/120, A<br>Katrampatti, T. Pudupatti,<br>Thirumangalam Taluk, Madurai<br>District                              | Used/Spent Oil   | 1525.6           | 102.61           |
|                         |   |  | Used/Spent Oil   |                  |                  |
| Used/Spent Oil          |   |  |  |                  |                  |
| Used/Spent Oil          |   |  |  |                  |                  |
| 4                       | M/s. King Industry - Used Oil - RR Plot<br>No. 43, Mahia Industrial Estate,<br>Uranganpatti, Madurai 20 | Used/Spent Oil   | 2880   | 220              |                  |
| 5                       | M/s. Sri Meenakshi Petro Products<br>141, Virudunagar Road,<br>Thirumngalam, Madurai                    | Used/Spent Oil   | 5760   | Not is operation |                  |
|                         |   |  |  | 522.64           |                  |
| <b>Maraimalai Nagar</b> | 1   | M/s. POCL Enterprises Ltd, S.F.No.<br>360, Nennakarai Village, Chengalpattu<br>Taluk, Kancheepuram District                              | Lead Scrap /Battery                                      | 35000            | 4320             |
| <b>Nagapattinam</b>     |   | Nil  | Nil  | Nil              | Nil              |

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|                       |   |   |  |               |        |
|-----------------------|---|---|--|---------------|--------|
| <b>Nagarcoil</b>      |   | Nil   | Nil  | Nil           | Nil    |
| <b>Namakkal</b>       | 1 | M/s. Sri Sakthi Sulphate Salem Road, Ayeepalayam Village, Athanoor Post, Rasipuram Talu, Namakkal District                                  | Zinc Ash   | 1596          | 492.76 |
| <b>Perundurai</b>     | 1 | M/s. Jayam Refineries, Post No. F. 13, SIPCOT Industrial Growth Centre, Perundurai 638 052 Erode District                                   | 5.1 Used /Spent Oil  | 5400          | Nil    |
|                       | 2 | M/s. Sai Ram Industries, Plot No. F 10, SIPCOT Industrial Growth Centre Perundurai Taluk, Erode District                                    | 5.1 Used /Spent Oil  | 2160          | Nil    |
| <b>Pudukkottai</b>    | 1 | M/s. Parakash Alloys Industries, S.F. No. 77/5A, 5C, Vadugapatti Village, Illuppur Taluk, Pudukkottai District - 621 316                    | B4 - Lead and Lead Components  | 1380          | 100    |
|                       | 2 | M/s. Power Tech Industries, S.F. No. 40, Plot No. 1-D/2, SIPCOT Industries Complex, Nathampennai, Pudukkottai District 622 002              | B4 - Lead and Lead Components  | 400           | 68.7   |
|                       |   |   |  |               | 168.7  |
| <b>Ramanathapuram</b> |   | Nil   | Nil  | Nil           | Nil    |
| <b>Salem</b>          | 1 | M/s. Valarmathi Alloys, Shed No. 9 and 10, SIDCO Industrial Esate, Veerapandi Village, Ariyanur Post, Salem District.                       | Waste Batteries, Lead Scrap, Lead dross, Lead ash and other lead Bearing Scrap | 10500 T/Annum | 10500  |
| <b>Sivagangai</b>     |   | Nil   | Nil  | Nil           | Nil    |
| <b>Sriperumbudur</b>  | 1 | M/s. Pondy Oxides and Chemicals Ltd, Plot No. G17-19, G30-32, SIPCOT Indl Park, Sriperumbudur po and Tk, Kancheepuram District Pin 602 102. | Lead   | 36000         | 35402  |



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|                       |   |  |  |      |      |
|-----------------------|---|--|--|------|------|
|                       | 2 | Arihant Intermediates (Madras) Pvt Ltd., SF No. 90/1, Sathamai village, Maduranthagam Taluk, Kancheepuram District | A5. Waste containing Chromium compounds                      | 8400 | 5281 |
|                       | 3 | M/s Latha Chemicals ,Nervalur Vilage, Kancheepuram Taluk & District  | 20.2 Spent Solvents  | 2625 | Nil  |
|                       | 4 | Ayesha Enterprises , Neervalur Village, Kancheepuram District  | 20.2 Spent Solvents (Thinners ) & Paints                     | 240  | Nil  |
|                       | 5 | Hydromet India Pvt Limited,Vedal Village, Rajakulam Post Kancheepuram District                                     | Copper Ash and Dross   |      |      |
| <b>Thanjavur</b>      |   | Nil  | Nil  | Nil  | Nil  |
| <b>Theni</b>          | 1 | M/s. Guru Marketing, S.F. No. 232/1B Boothipuram Village, Bodinaickanur Village, Theni District                    | Scrap Battaries  | 540  | 142  |
|                       | 2 | Avatar PetroChemicals,Andipatti SIDCO Industrial Estate Thimmarasa Naickenoor, Andi patti                          | 20.2 Spent Solvents  | 180  | Nil  |
|                       |   |  | 3.1 Waste Oil containg cargo residues washing water & sludge | 700  | 27.5 |
|                       |   |  | 3.3 Sludge & Filters contaminated with oil                   | 700  | Nil  |
|                       |   |  | 3.4 Ballast Water containing oil from ships                  | 620  | Nil  |
|                       |   |  | 4.1 Oily sludge /emusion                                     | 2200 | Nil  |
|                       |   |  | 5.2 Residues Contaminated With Oil                           | 2200 | Nil  |
| <b>Tiruvannamalai</b> |   | Nil  | Nil  | Nil  | Nil  |

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|                     |   |   |  |       |          |
|---------------------|---|---|--|-------|----------|
| <b>Thoothukudi</b>  | 1 | M/s. Sither Metal Industries, No. 386, South Veerapandipuram Road, Saminatham Village, Ottpidaram Taluk, Thoothukudi              | B4 - Lead and Lead Components                              | 15750 | 3662.834 |
| <b>Tirunelveli</b>  | 1 | M/s. PMB & Co, Sivarajapuram, Abisekpatti, Ghandinagar Post., Tirunelveli   | 5.2 Waste or Residues Condaining Oil                       | 720   | 746.23   |
|                     | 2 | M/s. The India Cements Ltd, Sankar Nagar, Madurai Road, Tirunelveli   | 35.3 Chemical Sludge from Waste Water Treatment            | 21500 | 1410     |
| <b>Tiruppur (N)</b> | 1 | ATLAS Corporation, S.F. No. 1023 P and 202/A1P, Rasathavalasu Village, kangeyam Taluk, Tiruppur District 638 111                  | 5.1 Used /Spent Oil  | 4032  | 270      |
|                     |   |   | 20.1 Contaminated Aromatic, Aliphatic or Nabhenic solvants | 2100  | 21       |
|                     |   |   | 20.2 spent solvents  |       | 34       |
|                     |   |   |  |       | 325      |
| <b>Tiruppur (S)</b> |   | Nil   | Nil  | Nil   | Nil      |
| <b>Tiruvallur</b>   | 1 | M/s. Chennai Used Drums Barrels Recond, G-5 7 SIDCO Industriear Estate, Kakkalur, Tiruvallur Taluk & District                     | Discarded containers/barrels                               | 450   | 450      |
|                     | 2 | M/s. Muthu Barrels Tarding Company, DP 179 SIDCO Industrial Estate, Thirumazhisai, Poonamalle Taluk, Tiruvallur District 600 124. | Discarded containers/barrels                               | 1000  | 1000     |
|                     | 3 | M/s. Trigel Petro chem. (P) Ltd 72, Sidco Industrial Estate, Kakkalur, Tiruvallur Taluk & District                                | Waste Oil  | 360   | 4.824    |

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|               |    |   |                          |       |          |
|---------------|----|---|--------------------------|-------|----------|
|               | 4  | M/s.Mega petro Products No.60 Sidco Industrial Estate Kakkalur, Tiruvallur Taluk & District.                                  | Waste Oil                | 3420  | 2.012    |
|               | 5  | M/s. EL Tech Power System Private Limited<br>S.F.No. 106 part, Thirumazhisai Village, Poonamallee Taluk, Tiruvallur District. | Lead and Lead Components | 1800  | 1800     |
|               | 6  | M/s. Southern Power Industries<br>D.P. No: 3 -Electrical Industrial Estate, Kakkaur Village, Tiruvallur Taluk & District.     | Lead and Lead Components | 1200  | 198.63   |
|               | 7  | M/s.POCL Enterprises Limited<br>G-47 SIDCO Industrial Estate, Kakkalur, Tiruvallur taluk & District.                          | Lead and Lead Components | 5600  | 208.88   |
|               | 8  | M/s. Perms Gold<br>S.F.No. 147/11, Melandur Village, Uthukottai Taluk, Tiruvallur District.                                   | Lead and Lead Components | 1080  | 1080     |
|               | 9  | M/s. Sri Balaji Metals, Shed No. 5, Plot No. 17, SIDCO Industrial Estate, R.K. Pet 631 303                                    | Aluminium Dross          | 4800  | 493.885  |
|               | 10 | Sri Balaji Chem Industries ,Plot No 94,95 SIDCO Industrial Estate Kakallur Tiruvallur District                                | Spent Solvents           | 4728  |          |
|               |    |   |                          |       | 3788.231 |
| <b>Trichy</b> | 1  | M/s. Trichy Metals and Alloys, S.F. No. 536 2A, Thathamangalam, Manachanallur Taluk, Trichy District                          | Lead Bearing Waste       | 1200  | 1191.9   |
|               | 2  | M/s. Sylvan Farm Chemicals, Velanganatham Road, M. Pudupatti, Post Box No. 7, Musiri - 621 211.                               | Zinc Fines /Dust / Ash   | 795.6 | 367.25   |

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|                       |   |  |                    |       |         |
|-----------------------|---|--|--------------------|-------|---------|
|                       | 3 | M/s. ICMC Corporation Ltd, I-3, SIDCO Industrial, Esate, Ariyamangalam, Trichy District                                  | Zinc Bearing Waste | 850   | 27.93   |
|                       | 4 | M/s IACL Pvt Limited I 5 Industrial Estate, Ariya Mangalam Trichy District   | Zinc Bearing Waste | 650   | 0       |
|                       |   |  |                    |       | 1587.08 |
| <b>Udhagamandalam</b> |   | Nil  | Nil                | Nil   | Nil     |
| <b>Vaniyambadi</b>    |   | Nil  | Nil                | Nil   | Nil     |
| <b>Vellore</b>        | 1 | M/s. Lakshmi & Co (Used Oil Recycling), Plot No. 99, SIDCO Industrial Estate, Ammanur, Arakonam Taluk, Vellore District  | 5.1 Used Oil       | 4500  | 125.6   |
|                       | 2 | M/s. Lakshmi & Co (Waste Oil Recycling), Plot No. 99, SIDCO Industrial Estate, Ammanur, Arakonam Taluk, Vellore District | 5.2 Waste Oil      | 5400  | 0       |
|                       | 3 | M/s. M.R. Industries, Plot No. 73, SIDCO Industrial Estae, Ammanur, Arakonam Taluk, Vellore District.                    | 5.1 Used Oil       | 3600  | 46.5    |
|                       | 4 | M/s. Universal Lead Alloys, S.No. 587, Senganatham Road, Rangapuram Village, Vellore Taluk, Vellore District.            | Lead bearing Waste | 7200  | 2255.18 |
|                       |   |  |                    |       |         |
| <b>Villupuram</b>     | 1 | M/s. Pentakcoast Resins, Kondalangumppam Village, Vanur Taluk, Villupuram.   | Spent Solvents     | 3240  | 342.06  |
|                       | 2 | M/s. Thirupathi Oil Company unit 1, Venmaniyathur, Tindivanam Taluk, Villupuram.   | Waste Oil          | 4300  | 184.6   |
|                       | 3 | M/s.D.V.R. Refingers, Eraiyur village, Vanur Taluk, Villupuram.  | Used Oil           | 10584 | 15.62   |
| Spent Solvents        |   |  | 2880               | 0     |         |

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|                     |     |   |  |        |                |
|---------------------|-----|---|--|--------|----------------|
|                     | 4   | M/s. Thirumala Chemicals,<br>Atthiyanthal Village,<br>Tirukoyilur Taluk,<br>Villupuram. | Spent Solvents   | 360    | 8              |
|                     | 5   | M/s. Sri Chementor Pvt. Ltd,<br>Perumbakkam Village, Vanur<br>Taluk, Villupuram.        | Spent Solvents   | 3000   | 1783.15        |
|                     | 6   | ICMC corportaion Ltd.,<br>Thennalapakkam,<br>Tindivanam                                 | Zinc fine dust/ash   | 850    | 0              |
|                     |     |   | Sludges and filter cake<br>( copper/Brass/ash/dross)   | 500    | 0              |
|                     | 7   | Balaji Chemicals SF No 54/5 Kalla<br>Kolathur ,Tindivanam Villupuram<br>District        | Utilization of Sodium Bi Chromate<br>Solution generated during<br>manufacturing of ibuprofen for<br>production of Basic Chromium<br>Sulphate | 1184.4 | 375            |
|                     |     |   |  |        | <b>2708.43</b> |
| <b>Virudhunagar</b> | Nil | Nil   | Nil  | Nil    | Nil            |

Table 27(h): Tamil Nadu-Details of Hazardous waste disposed in Common TSDF(s)

| 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 Pre-Processed for utilization (MT) | Quantity in Stock at the end of the year (MT) |             | Cumulative HW disposed in SLF by the end of financial year (MT) | Capacity           |                   |                 |
|-------|---|---|-------------|--|------------------------------|------------------|---|-------------------------------------|----------------------|---|---|-------------|---|--------------------|-------------------|-----------------|
|       |   | Landfillable  | Incinerable | For Direct landfill                        | For Landfill after treatment | For Incineration | Quantity Landfilled directly              | Quantity Landfilled after treatment | Quantity Incinerated |   | Landfillable                                  | Incinerable |   | Incinerator (KCal) | Incinerator (T/H) | Landfill (MT/A) |
| 1     | M/s Tamil Nadu Waste Management Ltd., No. 33 SIPCOT Industrial Complex, Gummidipoondi- 601 201, Thiruvallur | 287   | 688         | 14814                                      | 44399                        | 4368             | 14814                                     | 44531                               | 4368                 | 0   | 155   | 1241        | 455480  |                    | 1                 | 100000          |
| 2     | M/s Tamil Nadu Waste Management Ltd., Unurimikulam, Tiruchuli Taluka, Virudhu nagar.                        | 0   | 0           | 0  | 0                            | 0                | 0   | 0                                   | 0                    | 0   | 0   | 0           | 0   | 0                  | 0                 | 0               |

**Table 27(i): Tamil Nadu-Details of Hazardous waste disposed in Captive TSDF(s)**

| Cam | Name and Address of Captive facility  | Type of facility<br>(landfillable/Incinerable/both) | Capacity             |                    | HW disposed during<br>the year | Cumulative HW<br>disposed till the end of<br>financial year |
|-----|---|---|----------------------|--------------------|--------------------------------|---|
|     |   |   | Incinerator<br>(T/H) | Landfill<br>(MT/A) |                                |   |
| 1   | M/s Chemplast Sanmar Ltd Plant 1,<br>Salem  | Landfillable  | 0                    | 25                 | 25                             | 49182.35  |
| 2   | M/s Chemplast Sanmar Ltd Plant II PVC,<br>Salem                                       | Incinerable   | ---                  | 0                  | 2172.04                        |   |
| 3   | M/s Chemplast Sanmar Ltd Plant II,<br>Salem   | Landfillable  | 7.5                  | 250                | 250                            |   |
| 4   | M/s Chemplast Sanmar Ltd Plant III,<br>Salem  | Landfillable  | 0                    | 2305               | 2305                           |   |
| 5   | M/s Cabot Sanmar Ltd. Plant V, Salem  | Landfillable  | 0                    | 175                | 175                            | 0   |
| 6   | M/s Steel Authority of India  | Landfillable  | 0                    | 10580              | 10580                          | 33042.69  |
| 7   | M/s Vedanta Ltd., Copper Smelter Plant,<br>SIPCOT Industrial Complex,<br>Thoothukudi. | Landfillable  | 0                    | 300000             | 99267.22                       | 703316  |

# **28.**

# **TELANGANA**

## **(Hazardous waste generation and its Management)**



**Table 28(a): Telangana-Details of Hazardous waste Generation**

| S. No. | Name of the District | Number of HW Generating Industry | Authorized Quantity of Hazardous Waste (Metric Tonne) |                 |                 |                 | Quantity of Hazardous Waste generated as per Annual Return within the State/UT (Metric Tonne) |                 |                 |                 | Quantity of HW imported during the year (Metric Tonne) | Quantity of HW exported during the year (Metric Tonne) |
|--------|----------------------|----------------------------------|---|-----------------|-----------------|-----------------|---|-----------------|-----------------|-----------------|--|--|
|        |                      |                                  | Landfillable  | Incinerable     | Recyclable      | Utilizable      | Landfillable  | Incinerable     | Recyclable      | Utilizable      |  |  |
|        |                      |                                  | 1   | 2               | 3               | 4               | 5   | 6               | 7               | 8               |  |  |
| 1      | Hyderabad            | 227                              | 7096.24   | 763.63          | 22128.26        | 0               | 4640  | 379.22          | 8016.16         | 3.47            | 0  | 0  |
| 2      | Sangareddy           | 234                              | 35155.187   | 21339.004       | 49738.18        | 49299.46        | 29800.136   | 605.768         | 8712.035        | 10712.09        | 0  | 3113.955   |
| 3      | Kothagudem           | 185                              | 0   | 0               | 871.715         | 16200           | 160.12  | 0               | 513.206         | 14840           | 0  | 0  |
| 4      | Nalgonda             | 210                              | 69691.34  | 26893.16        | 9676.74         | 0               | 14650.685   | 711             | 9583            | 23986           | 0  | 0  |
| 5      | Nizamabad            | 197                              | 4539.33   | 135.2           | 96.6            | 0               | 3512  | 128.6           | 58.43           | 59.5            | 0  | 0  |
| 6      | Medak                | 476                              | 52882.01  | 60752.48        | 2179.09         | 0               | 28130.26  | 380             | 823.47          | 20881           | 0  | 0  |
| 7      | Ramagundam           | 90                               | 100.57  | 22.26           | 868.77          | 0               | 0   | 3.12            | 553.75          | 0               | 0  | 0  |
| 8      | Medchal              | 456                              | 32418.29  | 4627.78         | 44432.12        | 0               | 30460.62  | 868             | 21050.4         | 9530            | 0  | 0  |
| 9      | Rangareddy           | 391                              | 5312.91   | 2869.37         | 7074.29         | 0               | 4863.44   | 43.5            | 888.27          | 300             | 0  | 0  |
| 10     | Warangal             | 176                              | 0   | 24.56           | 125.443         | 0               | 0   | 24.58           | 124.243         | 0               | 0  | 0  |
|        | <b>Total</b>         | <b>2642</b>                      | <b>207195.8</b>                                       | <b>117427.4</b> | <b>137191.2</b> | <b>65499.46</b> | <b>116217.26</b>  | <b>3143.788</b> | <b>50322.96</b> | <b>80312.06</b> | <b>0</b>   | <b>3113.95</b>   |

**Table 28(b): Telangana- 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      | Quantity sent (MT) |
|        |   |  | 12                     |  | 13                 |
| 1      | For disposal at common secured landfill                 | 0  | 0                      | 0                                      | 0                  |
| 2      | For disposal at common Incinerator                      | 0  | 0                      | 0                                      | 0                  |
| 3      | For recycling by Schedule IV recyclers                  | 0  | 0                      | 0                                      | 0                  |
| 4      | For utilization in co-processing (cement plants)        | Andhara Pradesh                              | 26614.17               | Andhara Pradesh                        | 29981.41           |
|        |   | 0  | 0                      | Karnataka                              | 5503.735           |
| 5      | For utilization under Rule 9 (other than co-processing) | 0  | 0                      | 0                                      | 0                  |

**Table 28(c): Telangana-Details on Hazardous Waste Recycled and Utilized**

| S. N. | 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 Kiln | Other than co-processing | Captive Utilization(ot her than coloumn 15 & 16) |  | Co-processing in Cement Kiln | Under Rule 9 other than co-processing | Captive Utilization(o ther than coloumn 19 & 20) |
|       |                      |  |                              |                          |  |  |                              |                                       |  |
| 1     | Hyderabad            | 8016.16  | 3.47                         | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 2     | Sangareddy           | 8712   | 7351                         | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 3     | Kothagudem           | 613.206  | 0                            | 14840                    | 0  | 0  | 0                            | 0                                     | 0  |
| 4     | Nalgonda             | 8194   | 14344.027                    | 0                        | 0  | 1392   | 26614.2                      | 0                                     | 0  |
| 5     | Nizamabad            | 0  | 59.5                         | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 6     | Medak                | 823.4779   | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |

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| S. N. | 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 Kiln | Other than co-processing | Captive Utilization(ot her than coloumn 15 & 16) |  | Co-processing in Cement Kiln | Under Rule 9 other than co-processing | Captive Utilization(o ther than coloumn 19 & 20) |
| 7     | Ramagundam           | 378.277  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     |  |
| 8     | Medchal              | 21048.56   | 7975.65                      | 0                        | 0  | 0  | 0                            | 0                                     |  |
| 9     | Rangareddy           | 881.273  | 164.44                       | 0                        | 0  | 0  | 0                            | 0                                     |  |
| 10    | Warangal             | 124.243  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     |  |
|       | <b>Total</b>         | <b>48791.1969</b>  | <b>29898.087</b>             | <b>14840</b>             | <b>0</b>   | <b>1392</b>  | <b>26614.2</b>               | <b>0</b>                              |  |

**Table 28(d): Telangana-Details on Hazardous Waste Disposed**

| S.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 Secured Landfill (MT)                 |          | Quantity Disposed through Incinerator (MT) |          |
|       |                      | Common  | Captive  | Common                                     | Captive  | Common   | Captive  | Common                                     | Captive  |
|       |                      | 22  | 23       | 24   | 25       | 26   | 27       | 28   | 29       |
| 1     | Hyderabad            | 4510.7  | 0        | 277  | 0        | 0  | 0        | 0  | 0        |
| 2     | Sangareddy           | 29806.136   | 0        | 612.768                                    | 0        | 0  | 0        | 0  | 0        |
| 3     | Kothagudem           | 160.12  | 0        | 0  | 0        | 0  | 0        | 0  | 0        |
| 4     | Nalgonda             | 13808.68  | 0        | 235.303                                    | 0        | 0  | 0        | 0  | 0        |
| 5     | Nizamabad            | 3215  | 0        | 0  | 0        | 0  | 0        | 0  | 0        |
| 6     | Medak                | 28130.265   | 0        | 421.89                                     | 0        | 0  | 0        | 0  | 0        |
| 7     | Ramagundam           | 0   | 0        | 3.12                                       | 0        | 0  | 0        | 0  | 0        |
| 8     | Medchal              | 30719.5   | 0        | 862.4                                      | 0        | 0  | 0        | 0  | 0        |
| 9     | Rangareddy           | 4608.93   | 0        | 274.616                                    | 0        | 0  | 0        | 0  | 0        |
| 10    | Warangal             | 0   | 0        | 64   | 0        | 0  | 0        | 0  | 0        |
|       | <b>Total</b>         | <b>114959.331</b>   | <b>0</b> | <b>2751.097</b>                            | <b>0</b> | <b>0</b>   | <b>0</b> | <b>0</b>                                   | <b>0</b> |

**Table 28(e): Telangana-Details on Hazardous Waste Stored at Occupier Premises**

| S.No. | Name of the District | Total Quantity of HW stored at Occupier premises at the beginning of the financial year i.e. 01.04.2017 (MT) |                |                 |            | Total Quantity of HW stored at Occupier premises during the financial year i.e. 1st April to 31st March 2018 (MT) |                 |                 |                |
|-------|----------------------|--|----------------|-----------------|------------|---|-----------------|-----------------|----------------|
|       |                      | Landfillable   | Incinerable    | Recyclable      | Utilizable | Landfillable  | Incinerable     | Recyclable      | Utilizable     |
|       |                      | 30   | 31             | 32              | 33         | 34  | 35              | 36              | 37             |
| 1     | Hyderabad            | 20.3   | 230            | 0               | 0          | 94.7653   | 329.3           | 0               | 0              |
| 2     | Sangareddy           | 2151   | 0              | 0               | 0          | 2145.3  | 0               | 0               | 0              |
| 3     | Kothagudem           | 0  | 0              | 398.81          | 0          | 19.14   | 0               | 298.45          | 0              |
| 4     | Nalgonda             | 330  | 150            | 32              | 0          | 1184.7  | 624.027         | 63              | 0              |
| 5     | Nizamabad            | 51.9   | 0              | 10.583          | 0          | 360.4   | 91.8            | 69.015          | 0              |
| 6     | Medak                | 4867.2   | 3198           | 162.44          | 0          | 4855.36   | 3603.99         | 142.13          | 0              |
| 7     | Ramagundam           | 0  | 3.56           | 1.17            | 0          | 0   | 3               | 176.646         | 0              |
| 8     | Medchal              | 274.62   | 0              | 0               | 0          | 15.737  | 6.085           | 1.882           | 21.079         |
| 9     | Rangareddy           | 264.498  | 0              | 781.901         | 0          | 518.7   | 0               | 780.5           | 136.9          |
| 10    | Warangal             | 0  | 0              | 0               | 0          | 0   | 0               | 0               | 0              |
|       | <b>Total</b>         | <b>7959.518</b>  | <b>3581.56</b> | <b>1386.904</b> | <b>0</b>   | <b>9194.1023</b>  | <b>4658.202</b> | <b>1531.623</b> | <b>157.979</b> |

**Table 28(f): Telangana-Details on Recycling / Utilization/Co-Processing of Hazardous Waste**

| S.No     | Type of Recycling Facilities  | No of Facilities authorized for recycling / utilization / Co-processing of HW | Total Authorized Capacity (MTA) | Quantity Recycled/ Utilized/ Co-processed (MT) during the year |
|----------|---|---|---------------------------------|--|
| <b>A</b> | <b>Commonly Recyclable HW</b>   |   |                                 |  |
| 1        | Brass Dross   | 3   | 4612                            | 3577.91  |
| 2        | Zinc Bearing Wastes   |   |                                 |  |
| 3        | Copper Bearing Waste  |   |                                 |  |
| 4        | Spent catalyst containing nickel, cadmium, Zinc, copper, arsenic, vanadium and cobalt   | 2   | 1132                            | 774.3  |
| 5        | Lead bearing waste including battery waste  | 24  | 112902.3                        | 26760.2  |
| 6        | E-Waste   | 4   | 30000                           | 15001.99   |
| 7        | Used oil  | 17  | 362921.1                        | 18876.165  |
| 8        | Waste Oil   |   |                                 |  |
|          | <b>Total</b>  | <b>50</b>   | <b>511567.4</b>                 | <b>64990.565</b>   |
| <b>B</b> | <b>Utilization of HW under Rule 9</b>   |   |                                 |  |
| 1        | Recovery of solvents from spent solvents  | 27  | 101890.1                        | 62700.5  |
| 2        | Utilization of process sludge and primary ETP sludge generated from Pulp & Paper Industries for producing Paper Board/ Mill Board/ Card Board | 32  | 16200                           | 14840  |
|          | <b>Total</b>  | <b>59</b>   | <b>118090.1</b>                 | <b>77540.5</b>   |
| <b>C</b> | <b>Co-processing in Cement Plants</b>   | 10  | 940928.3                        | 61565.513  |

**Table 28(g): Telangana-List of Authorized Recyclers/ Utilizers/Co-processors of Hazardous Waste**

| 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) |
|------|---|---|---|--|
| 1    | M/s Syno Chem India, Plot No. 48, CIE (Expansion), Gandhinagar, Balanagar, RR dist  | Zinc, Copper and Brass bearing waste  | 512   | 77.91  |
| 2    | M/s Shilpa Metal Udhyog, Plot No. 3-100, Sy. No. 799, Ankireddy Palli (V), Keesara (M), Rangareddy District.  | Zinc, Copper and Brass bearing waste  | 500   | 500  |
| 3    | M/s. Bhagyanagar India Ltd., IDA Nacharam, Medchal District   | Copper scrap/ Reverts/ Waste / Druid /copper oxide mill scale / copper cake and residue / slags from copper processing / copper dross | 3600  | 3000   |
| 4    | M/s. HBL Power Systems Ltd., Lalgadi Malakpet (V), Shameerpet (M), Rangareddy dist.   | Zinc bearing waste, spent catalyst containing nickel, Cadmium, Zinc, Copper, Arsenic, Vanadium & Cobalt.                              | 250   | 88.3   |
| 5    | M/s Premier Alloys & Chemicals Pvt. Ltd., Plot No. F-19/B, Phase-I, IDA, Jeedimetla, Rangareddy District.   | Vanadium Sludge   | 882   | 686  |
| 6    | M/s Shree Ram Battery Industries, Sy. No. 339/A, Bhootpur (V&M), Mahaboobnagar District.  | Lead and Lead Oxide by recycling of used lead acid batteries.   | 1800  | 1200   |
| 7    | M/s Sri Padmavathi Energy Solutions (India) pvt. Ltd., Sy. No. 515/EE. 515/U, 515/A, 515/AA & 516/AE, Udityal (V), Balanagar (M), Mahaboobnagar District. | lead bearing waste including battery waste.   | 3529  | 2541   |
| 8    | M/s Gemtek Industries, Sy. No. 189/2, Annaram (V), Farooqnagar (M), Mahaboobnagar District.   | Zinc bearing waste, waste oil and used lead acid batteries  | 16000   | 261  |

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| 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) |
|------|--|---|---|--|
| 9    | M/s Supreme Batteries (P) Limited Sy. No. 76/A & 76/B, Raikal (V), Shadnagar (M), Mahaboobnagar District.                          | lead bearing waste including battery waste                    | 7200  | 6128   |
| 10   | M/s HBL Nife Power System Ltd., Sr. No. 64-67, & 77-81, Nandigaon (V) Kothur (M) Mahaboob Nagar, Dist. -509 223 (A.P).             | Lead Acid Battery Plates and Lead Scrap / Ashes/Residues only | 18000   | 6659   |
| 11   | M/s Galaxy Pigments Pvt. Ltd., Macharam (V), Balanagar (M), Mahaboobnagar District   | Lead acid batteries   | 2000  | 1200   |
| 12   | M/s Baba Metal Industry, Chevulapally (V), farooqnagar (M), Mahaboobnagar District.  | Scrap Lead Acid Batteries                                     | 306   | 200  |
| 13   | M/s CCL Metal, 120 (aa), Chevulapally (V0, Farooqnagar (M), Mahaboobnagar District.  | Scrap Lead Acid Batteries                                     | 306   | 150  |
| 14   | M/s Etasha Batterys,Sy.no.155/1, U (part-II), Teegapur vill, Kothur Mdl. MBNR dist.,509228   | Scrap Lead Acid Batteries                                     | 730   | 0.9  |
| 15   | M/s Hyderabad Pigments Ltd,plot No:24 Part, IDA, Kothur, Mahaboobnagar Dist,509228   | Lead ash bag Fillter dust                                     | 0.5   | 0.3  |
| 16   | M/s Mittal Batteries Pvt.Ltd.,,Sy.No.24/A, APIIC, Industrial Park, Kothur(V) & (M) , Mahabubnagar Dist,509228                      | Scrap Lead Acid Batteries                                     | 300   | 158  |
| 17   | M/s Mohit Traders (Formerly Sai Sneha Industries),Sy. No. 121/A, Chowalapally (V), Faroorqnagar (M), Mahabubnagar District ,509216 | Lead slag from Furance  | 73  | 0.5  |
| 18   | M/s Prakash Metal IndustriesPlot No: 18/A, Sy.No: 103, IDA Kothur, Kothur (V /M), Ranga Reddy district                             | Scrap Lead Acid Batteries                                     | 1045  | 1.2  |
| 19   | M/s S.,R. Traders, sy no 758 chattanpalle(V) farooqnagar(m) Rangareddy Dist-509216   |   | 0.73  | 0.4  |



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| 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) |
|------|---|--|---|--|
| 20   | M/s Sheesh Mahel Industries, sy no 758 chattanpalle(V) farooqnagar(m) Rangareddy Dist-509216  | Scrap Lead Acid Batteries                        | 0.73  | 0.4  |
| 21   | M/s Shree Unik Industries (formerly Deepak Battery Industries, Sy No 38/A, 39/A & /2 /40,Gunded (V), Balanagar (M) , Mahabubnagar Dist,509202 | Scrap Lead Acid Batteries                        | 200   | 0.5  |
| 22   | M/s Maurya Industry Unit II, Sy.no.41/1/A, Annaram (V), Farooqnagar (M), Rangareddy District.   | Lead dross                                       | 730   | 1.2  |
| 23   | M/s. Nile Ltd., (Non-Ferrus division), Panthangi (V), Choutuppal (M), Yadadri District.   | Lead manufacturing unit.                         | 40000   | 6578   |
| 24   | M/s. Gochem Metals & Alloys, Sy. No. 384/13/1, Bonthugutta (V), H/o. Chinthapally (V), Miryalaguda (M), Nalgonda District.                    | Lead recovery & Batteries                        | 212   | 140  |
| 25   | M/s. Akash Metal Industries, Sy No. 625 & 626, Narayanagiri (V), Pochampally (M), Yadadri District.   | Lead recovery                                    | 1197  | 300  |
| 26   | M/s. J.R.Gotech Accumulator Ltd., Narayanagiri (V), Pochampally (M), Yadadri District.  | Battery unit                                     | 279   | 196.64   |
| 27   | M/S. ZSL PRIVATE LIMITED (FORMERLY ZENSAR SUPPLIERS PRIVATE LIMITED), Plot No. 148 & 150, I.E. Medchal, Rangareddy District.                  | Lead ash, battery scrap and furnace oil.         | 18000   | 1000   |
| 28   | M/s. Anantha Lead Private Limited, 148-150, IE Medchal, R,R, District, Andhra Pradesh - 501 401.  | Used Lead Acid Batteries                         |   |  |
| 29   | M/s. H.K. Industries, Plot No. 10, IDA Rampur, Dharmasagar (M), Warangal Urban District   | Lead extraction activity                         | 993.36  | 43.16  |

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| 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) |
|------|---|---|---|--|
| 30   | M/s. Sasi E Recycling Solutions,<br>Sy No: 152 Part 157, 160 & 165, IDA, Pashamailaram, Patancheru (M), Sangareddy District             | E-waste   | 0.05  | 1.99   |
| 31   | M/s. Z Enviro Industries Pvt. Ltd. (formerly M/s. Z Industries),<br>106 & 107, Pulimamidi (V), Kandukur (M), Rangareddy District        | E-waste scrap and discarded parts   | 10000   | 4500   |
| 32   | M/s. Earth Sense Recycle Pvt. Ltd., Plot No. 37, APIIC Industrial Park, Mankal, Maheshwaram (M), Rangareddy District                    | E-Waste of electrical and electronic goods.<br>(Containing Discarded computers & PCBs, Monitors, Capacitors, Copper wires, printers etc.), Home appliances. | 10000   | 5500   |
| 33   | M/s. Ramky-E-Waste Recycling Facility (Ramky Enviro Engineers Ltd.), Plot No.25, Hardware Park, Maheshwaram (M), Rangareddy District    | E-Waste of electrical and electronic goods. (Containing Discarded computers & PCBs, Monitors, Capacitors, Copper wires, printers etc.)                      | 10000   | 5000   |
| 34   | M/s Nas Oil & Fuel, Sy. No. 121/a, Choulapally (V), Farooqnagar (M), Mahaboobnagar District   | Used oil  | 4200  | 617  |
| 35   | M/s Sri Saiganga Lubricants, Plot No. 13/3, Shed No. 4, IDA, Kothur (M), Mhaboobnagar District.   | Used oil  | 900   | 190  |
| 36   | M/s. Indian Tar coal company, Sy. No. 223 & 233, Plot No. 216, IDA, Phase - III, Pashamailaram (V), Patancheru (M), Sangareddy district | Waste oil   | 20  | 1125   |
| 37   | M/s. Mistry Petroleum Products Pvt. Ltd., Plot No. 146 & 147, Phase - II, IDA, Pashamailaram, Patancheru (M), Sangareddy District.      | Waste oil   | 3600  | 437.1  |

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| 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) |
|------|--|--|---|--|
| 38   | M/s. Tanu Petrochem Products Pvt. Ltd., Plot No. 238, Phase – II, IDA, Pashamailaram (V), Patancheru (M), Sangareddy District. | Waste oil  | 32538.48  | 240.065  |
| 39   | M/s Sai Lakshmi Oil & Lubes Industry, Lankasagar Cross Road, Mandalapadu (V), Penuballi (M), Khammam Dist                      | Reprocessing of used oils or waste oils          | 540   | 80   |
| 40   | M/s Sri Satya Sai Lubricants, Plot No. 11 (Part), Industrial Estate-Paloncha, Paloncha (V&M), Khammam Dist.                    | Reprocessing of used oils or waste oils          | 270   | 210  |
| 41   | M/s. Ranm Petro Chemicals, IDA, Kodad (M), Suryapet District.  | Refining of used oils of various grades          | 3600  | 2190   |
| 42   | M/s. Sri Manasa Lubricants, Sy No. 503, Devulamma Nagaram (V), Choutuppal (M), Yadadri District.                               | Oil reprocessing                                 | 1424  | 1150   |
| 43   | M/s. Bhadradri traders, Sy.No. 290/VU & 290/E, Malkapur (V), Choutuppal (M), Yadadri District.                                 | Oil reprocessing                                 | 1387  | 990  |
| 44   | M/s. SLNS Industries, Sy.No. 754/E, Masaipet (V), Yadagirigutta (M), Yadadri District.   | Processing of used oils and waste oils           | 6000  | 3100   |
| 45   | M/s Smart Lubricants, Plot No. 18 7 19, APIIC, Industrial park, I.P. Kucharam, Toopran (M), Medak District.                    | Used oil / Waste oil                             | 3990  | 1040   |
| 46   | M/s Virani Company, Sy. No. 849, Medchal (V&M), Rangareddy District.   | Used oil / waste oil                             | 3000  | 405  |
| 47   | M/s Supreme Lubricants Pvt. Ltd., Plot No. 45, IDA, Medchal, Rangareddy District.  | Used oil / waste oil                             | 21600   | 102  |
| 48   | M/s. Lucky Oil Company, Plot No.33/A, IDA Mankhal, Rangareddy District   | Base Oil & Fuel Oil                              | 27010   | 7000   |

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| 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) |
|------|---|--|---|--|
| 49   | M/s. New Shams Lubricants, Sy.No.212/a1, Ramanaguda, Nyalata (V), Chevella (M), Rangareddy District   | Recycled Oil                                     | 912.5   | 0  |
| 50   | M/s. Sri Sai Lubricants, Plot No. 74, Rampur (V), Dharmasagar (M), Warangal District  | Reprocessing of used oils or waste oils          | 326.59  | 0  |
| 51   | M/s. Sri Sri Solvents, (Formerly Narayani Industries), Turkalakhanpur (V), Hathnoor (M), Sangareddy District.   | Spent Solvent                                    | 78  | 70.5   |
| 52   | M/s. Sree Leo Enterprises, Plot No.240, Phase -III, IDA, Pashamailaram, Patancheru (M), Sangareddy District.  | Spent Solvent                                    | 355.44  | 56.69  |
| 53   | M/s. Nirmala Enterprises, Plot No. D - 19, Phase - I, IDA, Pashamailaram, Patancheru (M), Sangareddy District.  | Spent Solvent                                    | 387   | 37.59  |
| 54   | M/s. Sneha Solvents, (Formerly M/s. Premamrutha Life Sciences), Plot No. 254, Phase - II, IDA, Pashamailaram, Patancheru (M), Sangareddy District           | Spent Solvent                                    | 3.5   | 12.07  |
| 55   | M/s. Vega Life Sciences Pvt. Ltd (Formerly M/s. Jaymahima Chem Pvt. Ltd), Plot No. D-22, Phase - I, IDA, Pashamailaram, Patancheru (M), Sangareddy District | Spent Solvent                                    | 200.75  | 198.35   |
| 56   | M/s. Lakshmi Saras Chem Tech Pvt. Ltd, (formerly M/s. Saras Chem Tech), Plot No. 276, Phase - III, IDA, Pashamailaram, Patancheru (M), Sangareddy District  | Spent Solvent                                    | 26  | 93.1   |
| 57   | M/s. Prateek Industries (Formerly M/s. Marx Chemicals), Plot No. 253, IDA, Phase - II, Pashamailaram, Sangareddy District.                                  | Spent Solvent                                    | 79.2  | 67.81  |
| 58   | M/s. Legend Fine Chem, Sy. No. 87/aa, Buchinelli (V), Zaheerabad(M), Sangareddy District.   | Spent Solvent                                    | 84  | 0  |

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| 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) |
|------|---|--|---|--|
| 59   | M/s. Surabhi Industries, Plot No.134, Phase -III, IDA, Pashamailaram, Patancheru (M), Sangareddy District   | Spent Solvent                                    | 602.25  | 0  |
| 60   | M/s. Sri Monashi Life Sciences Pvt Ltd., Plot No. 149 & 150, Pashamailaram (V), Patancheru (M), Sangareddy District                                   | Spent Solvent                                    | 0.06  | 1.25   |
| 61   | M/s. Vijetha Labs Pvt. Ltd, Plot No. 216/A, Phase-II, IDA, Pashamailaram, Patancheru (M), Medak District  | Spent Solvent                                    | 80.28   | 119.1  |
| 62   | M/s. Maha Sai Fine Chemicals Hyd (P) Ltd., Plot No. 38 & 39, IDA, Bhongir (V&M), Yadadri Bhuvanagiri District.  | Spent Solvent                                    | 3120  | 1750   |
| 63   | M/s. The Trishla Chemsol, IDA, Bhongir (V&M), Yadadri Bhuvanagiri District.   | Spent Solvent                                    | 5880  | 3250   |
| 64   | M/s. Balaji Formulations Ltd., Sy No. 208/35, Ramalingampally (V), Bommalararam (M), Yadadri Bhuvanagiri District.                                    | Spent Solvent                                    | 4000  | 1500   |
| 65   | M/s Lakshmi Saraswathi Chemicals & Organics Pvt Ltd, Plot No. 8-17, Sy. No. 296/7/7, IDA, Bollaram, Jinnaram Mandal, Medak District                   | Spent solvents                                   | 3650  | 980  |
| 66   | M/s Srujit Chemicals, Sy. No. 296/4/AA, IDA Bollaram, Jinnaram Mandal, Medak District<br>9866061222   | Spent solvents                                   | 9125  | 1035   |
| 67   | M/s Maha Sai Laboratories, (Formerly M/s Adarsh Finechem India Pvt Ltd.), Sy. No. 182/A, Gummadidala Village, Gummadidala Mandal, Sangareddy District | Spent solvents                                   | 7300  | 5265   |

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| 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) |
|------|--|--|---|--|
| 68   | M/s Spar Labs Pvt Ltd.,<br>Sy. No. 79, Alinagar, Chetlapotharam Village, Gaddapotharam (GP), Jinnaram (M), Medak District                    | Spent solvents                                   | 3620  | 1550   |
| 69   | M/s Sruthi Labs (P) Ltd., Sy. No. 409/2, Donthi Village, Shivampet Mandal, Medak District  | Spent solvents                                   | 730   | 450  |
| 70   | M/s. Sarvodaya Solvents Pvt Ltd., (Formerly M/s. Reliance Teltronic Industries), Plot No.52, Phase – I, IDA Cherlapally, Rangareddy District | Spent Solvent                                    | 1460  | 1177   |
| 71   | M/s. TCR Chemicals Industries is located at Pl. No.153, IDA Cherlapally, R.R. District   | Spent Solvent                                    | 13600   | 6859   |
| 72   | M/s. Jayanth Pharmaceuticals (P) Ltd., Plot No.4A, Phase – I, IDA Cherlapally, Rangareddy District.  | Spent Solvent                                    | 10950   | 582.2  |
| 73   | M/s. Sessa Sai Chemicals Pvt. Ltd. Plot No. 51, Phase – I, IDA Cherlapally, Rangareddy District  | Spent Solvent                                    | 6960  | 1194.5   |
| 74   | M/s. Norton Chemical Industries, D-28, Phase-V, IDA, Jeedimetla, Rangareddy District   | Spent Solvent                                    | 7200  | 2725   |
| 75   | M/s. Murali Chemicals, 172/B, IDA Mallapur, Medchal District   | Recovery of Solvent                              | 1200  | 900  |
| 76   | M/s. Pinakini Lifesciences Pvt. Ltd., (formerly M/s. Balaji Solvents (Unit – II)), Plot No.174, IDA Mallapur, Medchal District               | Recovery of Solvent                              | 1800  | 1100   |

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| 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) |
|------|---|---|---|--|
| 77   | M/s. N. K. Chemicals Ltd.,<br>Plot No.143/1, IDA Mallapur,<br>Medchal District                                      | Recovery of Solvent   | 18114   | 13000  |
| 78   | M/s Sree Sai Ganesh Paper Boards (KPR Industries), IDA<br>Paloncha, Bhadradi Kothagudem District                    | ETP sludge generated from Pulp &<br>Paper industries for producing<br>Paper Board / Mill Board / Card<br>Board. | 16200   | 14840  |
| 79   | M/s Sri Sai Boards, MP Banjara Village, Burgampad Mandal,<br>Bhadradi Kothagudem District                           |   |   |  |
| 80   | M/s Sri Venkateshwara Industries,<br>IDA Kothagudem, Bhadradi Kothagudem District                                   |   |   |  |
| 81   | M/s SV Boards, Burgampad (V&M), Khammam Dist.   |   |   |  |
| 82   | M/s Swaraj Packing Boards, Burgampad (V&M), Bhadradi<br>Kothagudem District   |   |   |  |
| 83   | M/s Maharaja Paperboards, Yerragunta (V), Paloncha (M) ,<br>Bhadradi Kothagudem District                            |   |   |  |
| 84   | M/s Bhavani Handmade Packing Board, Burgampad (V&M),<br>Bhadradi Kothagudem District                                |   |   |  |
| 85   | M/s Santhoshima Paper Boards (Formerly known as Prabhu<br>Paper Boards), IDA Paloncha, Bhadradi Kothagudem District |   |   |  |
| 86   | M/s Sri Manikanta Enterprises, Paloncha (V&M), Bhadradi<br>Kothagudem District                                      |   |   |  |
| 87   | M/s Sri Rajyalaxmi Industries, IE, Kothagudem, Bhadradi<br>Kothagudem District                                      |   |   |  |

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| 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) |
|------|---|--|---|--|
| 88   | M/s Sruthi Industries, IDA, Paloncha, Bhadradri Kothagudem District   |  |   |  |
| 89   | M/s Sri Sainath Enterprises (Formerly Known as Padmalaya industries), Plot No.10,IDA, Paloncha, Bhadradri Kothagudem District   |  |   |  |
| 90   | M/s SriLaxmi Enter Premises, Seetanagar, Somulaugudem(v), Palvancha (M), Bhadradri Kothagudem District  |  |   |  |
| 91   | M/s R.R. Pulp Packages, Laxmipuram Village, Burgampad Mandal, Bhadradri Kothagudem District   |  |   |  |
| 92   | M/s Sri Venkateswara Boards, MP Banjara (V), Burgampadu (M), Bhadradri Kothagudem District  |  |   |  |
| 93   | M/s Harshini Paper Boards, IDA New Paloncha, Bhadradri Kothagudem District  |  |   |  |
| 94   | M/s Sree Venkateswara Industries (Formerly known as Ashoka Packages), Laxmipuram (V), Burgampad (M), Bhadradri Kothagudem District  |  |   |  |
| 95   | M/s Sri Adi Parashkti Boards, Industrial Park, Paloncha (V&M), Bhadradri Kothagudem District  |  |   |  |
| 96   | M/s Sri Laxmi Narasimha Egg Trays Industries (Formerly known as RR Pulp and Handmade Paper Board Industries), Morampally Banjar (V), Burgampad (M), Bhadradri Kothagudem District |  |   |  |
| 97   | M/s Laxmi Paper Boards, Pusugudem (V), Paloncha (M), Bhadradri Kothagudem District  |  |   |  |



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| 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) |
|------|--|--|---|--|
| 98   | M/s Sri Sai Ram Boards, Sanjeeva Reddypalem (V), Burgampad (M), Bhadradri Kothagudem District                              |  |   |  |
| 99   | M/s Mahalaxmi Industries, Laxmipuram (V), Burgampad (M), Bhadradri Kothagudem District                                     |  |   |  |
| 100  | M/s Sri Padmalaya Paper Board, Industrial Park, Kothagudem (V&M), Bhadradri Kothagudem District                            |  |   |  |
| 101  | M/s Vidya Mill Board Industry, Sarapaka (V), Burgampad (M), Bhadradri Kothagudem District                                  |  |   |  |
| 102  | M/s Sri Vijaya Durga Paper Board Industry, IDA Paloncha (V&M), Bhadradri Kothagudem District                               |  |   |  |
| 103  | M/s Mahalaxmi Industries (Expansion), Sy.No. 455/23/1, Laxmipuram (V), Burgampad (M), Bhadradri Kothagudem District        |  |   |  |
| 104  | M/s Sai Laxmi Industries, Plot No. 3B (part), IDA, Paloncha (V&M), Khammam District  |  |   |  |
| 105  | M/s Mahalaxmi Industry, Sy. No. 455/23/1/1, Laxmipuram (V), Burgampad (M), Khammam District                                |  |   |  |
| 106  | M/s Mythili Egg Tray Industry, Sy.No. 481/AA, Laxmipuram (V), Burgampahad (M), Bhadradri Kothagudem District.              |  |   |  |
| 107  | M/s Sri Rama Egg Tray Industry, Sy.No. 480/A, Laxmipuram (V), Burgampahad (M), Bhadradri Kothagudem District.              |  |   |  |
| 108  | M/s Sri Laxmi Narasimha Egg Tray Industry, Sy.No. 460/AA1, Laxmipuram (V), Burgampahad (M), Bhadradri Kothagudem District. |  |   |  |
| 109  | M/s Sri S.S. Pulp Egg Tray Industry, Sy.No. 437/A, Laxmipuram (V), Burgampahad (M), Bhadradri Kothagudem District.         |  |   |  |

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| 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) |
|------|---|--|---|--|
| 110  | M/s. The India Cements Ltd., (Plant & Waste Heat recovery Power Plant), Vishnupuram, Wadapally (V), Damarcherla (M), Nagonda District.                                      | Cement   | 61840   | 2250.7   |
| 111  | M/s. Sagar Cements Ltd. (Plant), Mattampally (M), Suryapet District.  | Cement   | 16036   | 427  |
| 112  | M/s. NCL Industries Ltd. (Cement Division), Mattapally (V), Mattampally (M), Suryapet District.   | Cement   | 19204.2   | 0  |
| 113  | M/s. My Home Industries (P) Ltd. (Unit I, II & III), (PLANT) Mellacheruvu (V&M), Suryapet District.   | Cement   | 575195.6  | 13858  |
| 114  | M/s. Keerthi Industries Ltd. (Plant), (Suvarna Cements Ltd), Mellacheruvu (V&M), Suryapet District.   | Cement   | 24000.36  | 665.3  |
| 115  | M/s. Zuari Cements Ltd., (Sri Vishnu Cements Ltd.,) (Plant), Sitapuram, Dondapadu (V), Chintalapallem (M), Suryapet District.   | Cement   | 36002.1   | 18708.7  |
| 116  | M/s. Anjani Portland Cements Ltd. (Plant), Sy No. 226, Chintapalaem (V&M), Suryapet District.   | Cement   | 123350  | 19795  |
| 117  | M/s Orient Cement Ltd.,{Formerly Orient Cement,(Prop. : Orient Paper & Industries Ltd.,)}Devapur Cement Works (PO), Devapur Village, Kasipet Mandal, Mancherial District D8 | Carbon black   | 60000   | 1569.213                                       |
| 118  | M/s. Kesoram Cements, Basanth nagar, Palakurthy (M), Peddapalli District  | Cement   | 16800   | 0  |
| 119  | M/s. The India Cements Limited, P.B.No.7, Sy.No.51, Malkapur (V), Tandur (M), Vikarabad District  | Different types of hazardous waste having calorific value more than 2500 K.Cal | 8500  | 4291.6   |

**Table 28(h): Telangana-Details of Hazardous waste disposed in Common TSDF(s)**

| S. N | 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 Pre-Processed for utilization (MT) | Quantity in Stock at the end of the year (MT) |             | Cumulative HW disposed in SLF by the end of financial year (MT) | Capacity           |                   |                 |
|------|---|---|-------------|--|------------------------------|------------------|---|-------------------------------------|----------------------|---|---|-------------|---|--------------------|-------------------|-----------------|
|      |   | Landfillable  | Incinerable | For Direct landfill                        | For Landfill after treatment | For Incineration | Quantity Landfilled directly              | Quantity Landfilled after treatment | Quantity Incinerated |   | Landfillable                                  | Incinerable |   | Incinerator (KCal) | Incinerator (T/H) | Landfill (MT/A) |
| 1    | M/s Hyderabad Waste Management Project (TSDF & AFRF) Sy No. 684/1, Dundigal, Quthubullapur (M), Medchal-Malkajiri Dist. | 152.378   | 1215.88     | 10354                                      | 104618.0                     | 2752.1           | 10354                                     | 104616                              | 3387                 | 1660  | 154.404                                       | 581.40      | 114970  | 5.5                | 1.5               | 25 years life   |
| 1    | M/s GEPIL Infrastructure Pvt. Ltd., Plot No. 28-30, Industrial park, Rakarncheria, Pudur (M), Vikarabad Dist.           | 0   | 510         | 0  | 0                            | 4265             | 0   | 0                                   | 0                    | 4294  | 0   | 481         | 0   | INP                | INP               | 0               |

**Table 28(i): Telangana-Details of Hazardous waste disposed in Captive TSDF(s)**

| S. No. | Name and Address of Captive facility | Type of facility (landfillable/Incinerable/both) | Capacity          |                 | HW disposed during the year | Cumulative HW disposed till the end of financial year |
|--------|--------------------------------------|--|-------------------|-----------------|-----------------------------|---|
|        |                                      |  | Incinerator (T/H) | Landfill (MT/A) |                             |   |
| Nil    | Nil                                  | Nil  | Nil               | Nil             | Nil                         | Nil   |

INP: Information Not Provided

# **29.**

# **TRIPURA**

## **(Hazardous waste generation and its Management)**

**Table 29(a): Tripura-Details of Hazardous waste Generation**

| S. No. | Name of the District | Number of HW Generating Industry | Authorized Quantity of Hazardous Waste (Metric Tonne) |             |               |             | Quantity of Hazardous Waste generated as per Annual Return within the State/UT (Metric Tonne) |             |               |             | Quantity of HW imported during the year (Metric Tonne) | Quantity of HW exported during the year (Metric Tonne) |
|--------|----------------------|----------------------------------|---|-------------|---------------|-------------|---|-------------|---------------|-------------|--|--|
|        |                      |                                  | Landfillable  | Incinerable | Recyclable    | Utilizable  | Landfillable  | Incinerable | Recyclable    | Utilizable  |  |  |
|        |                      |                                  | 1   | 2           | 3             | 4           | 5   | 6           | 7             | 8           |  |  |
| 1      | Gomti                | 24                               | 0   | 0           | 18.45         | 1.3         | 0   | 0           | 18.45         | 0.56        | 0  | 0  |
| 2      | South Tripura        | 11                               | 0   | 0           | 3.67          | 0           | 0   | 0           | 3.67          | 0           | 0  | 0  |
| 3      | Unokuti              | 14                               | 0   | 0           | 4.12          | 0           | 0   | 0           | 4.12          | 0           | 0  | 0  |
| 4      | North Tirpura        | 19                               | 0   | 0           | 8.94          | 0           | 0   | 0           | 8.94          | 0           | 0  | 0  |
| 5      | Dhalai               | 8                                | 0   | 0           | 2.12          | 0           | 0   | 0           | 2.12          | 0           | 0  | 0  |
| 6      | Khowai               | 8                                | 0   | 0           | 2.12          | 0           | 0   | 0           | 2.12          |             | 0  | 0  |
| 7      | Sepahijala           | 21                               | 0   | 0           | 87.6          | 1.76        | 0   | 0           | 87.6          | 1.04        | 0  | 0  |
| 8      | West Tripura         | 66                               | 4.5   | 4           | 146.74        | 1.86        | 4.5   | 4           | 134.64        | 0.86        | 0  | 0  |
|        | <b>Total</b>         | <b>171</b>                       | <b>4.5</b>  | <b>4</b>    | <b>273.76</b> | <b>4.92</b> | <b>4.5</b>  | <b>4</b>    | <b>261.66</b> | <b>2.46</b> | <b>0</b>   | <b>0</b>   |

**Table 29(b): Tripura- 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      | Quantity sent (MT) |
|        |   |  | 12                     |  | 13                 |
| 1      | For disposal at common secured landfill | 0  | 0                      | Assam                                  | 4.5                |
| 2      | For disposal at common Incinerator      | 0  | 0                      | Assam                                  | 4                  |
| 3      | For recycling by Schedule IV recyclers  | 0  | 0                      | Assam                                  | 261.66             |

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| 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      | Quantity sent (MT) |
|        |   |  | 12                     |  | 13                 |
| 4      | For utilization in co-processing (cement plants)        | 0  | 0                      | 0                                      | 0                  |
| 5      | For utilization under Rule 9 (other than co-processing) | 0  | 0                      | Assam                                  | 2.46               |

**Table 29(c): Tripura-Details on Hazardous Waste Recycled and Utilized**

| S. N. | 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 Kiln | Other than co-processing | Captive Utilization (other than column 15 & 16) |   | Co-processing in Cement Kiln | Under Rule 9 other than co-processing | Captive Utilization (other than column 19 & 20) |
|       |                      |   |                              |                          |   |   |                              |                                       |   |
| 1     | Gomti                | 0   | 0                            | 0                        | 0   | 0   | 0                            | 0                                     | 0   |
| 2     | South Tripura        | 0   | 0                            | 0                        | 0   | 0   | 0                            | 0                                     | 0   |
| 3     | Unokuti              | 0   | 0                            | 0                        | 0   | 0   | 0                            | 0                                     | 0   |
| 4     | North Tripura        | 0   | 0                            | 0                        | 0   | 0   | 0                            | 0                                     | 0   |
| 5     | Dhalai               | 0   | 0                            | 0                        | 0   | 0   | 0                            | 0                                     | 0   |
| 6     | Khowai               | 0   | 0                            | 0                        | 0   | 0   | 0                            | 0                                     | 0   |
| 7     | Sepahijala           | 0   | 0                            | 0                        | 0   | 0   | 0                            | 0                                     | 0   |
| 8     | West Tripura         | 0   | 0                            | 0                        | 0   | 0   | 0                            | 0                                     | 0   |
|       | <b>Total</b>         | <b>0</b>  | <b>0</b>                     | <b>0</b>                 | <b>0</b>  | <b>0</b>  | <b>0</b>                     | <b>0</b>                              | <b>0</b>  |

**Table 29(d): Tripura-Details on Hazardous Waste Disposed**

| S.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 Secured Landfill (MT)                 |          | Quantity Disposed through Incinerator (MT) |          |
|       |                      | Common  | Captive    | Common                                     | Captive  | Common   | Captive  | Common                                     | Captive  |
|       |                      | 22  | 23         | 24   | 25       | 26   | 27       | 28   | 29       |
| 1     | Gomti                | 0   | 0          | 0  | 0        | 0  | 0        | 0  | 0        |
| 2     | South Tripura        | 0   | 0          | 0  | 0        | 0  | 0        | 0  | 0        |
| 3     | Unokuti              | 0   | 0          | 0  | 0        | 0  | 0        | 0  | 0        |
| 4     | North Tripura        | 0   | 0          | 0  | 0        | 0  | 0        | 0  | 0        |
| 5     | Dhalai               | 0   | 0          | 0  | 0        | 0  | 0        | 0  | 0        |
| 6     | Khowai               | 0   | 0          | 0  | 0        | 0  | 0        | 0  | 0        |
| 7     | Sepahijala           | 0   | 0          | 0  | 0        | 0  | 0        | 0  | 0        |
| 8     | West Tripura         | 0   | 4.5        | 0  | 4        | 0  | 0        | 0  | 0        |
|       | <b>Total</b>         | <b>0</b>  | <b>4.5</b> | <b>0</b>                                   | <b>4</b> | <b>0</b>   | <b>0</b> | <b>0</b>                                   | <b>0</b> |

**Table 29(e): Tripura-Details on Hazardous Waste Stored at Occupier Premises**

| S.No. | Name of the District | Total Quantity of HW stored at Occupier premises at the beginning of the financial year i.e. 01.04.2017 (MT) |             |             |            | Total Quantity of HW stored at Occupier premises during the financial year i.e. 1st April to 31st March 2018 (MT) |             |             |            |
|-------|----------------------|--|-------------|-------------|------------|---|-------------|-------------|------------|
|       |                      | Landfillable   | Incinerable | Recyclable  | Utilizable | Landfillable  | Incinerable | Recyclable  | Utilizable |
|       |                      | 30   | 31          | 32          | 33         | 34  | 35          | 36          | 37         |
| 1     | Gomti                | 0  | 0           | 0           | 0          | 0   | 0           | 0           | 0          |
| 2     | South Tripura        | 0  | 0           | 0.67        | 0          | 0   | 0           | 0           | 0          |
| 3     | Unokuti              | 0  | 0           | 0.12        | 0          | 0   | 0           | 0           | 0          |
| 4     | North Tirpura        | 0  | 0           | 0.94        | 0          | 0   | 0           | 0           | 0          |
| 5     | Dhalai               | 0  | 0           | 0.12        | 0          | 0   | 0           | 0           | 0          |
| 6     | Khowai               | 0  | 0           | 0.15        | 0          | 0   | 0           | 0           | 0          |
| 7     | Sepahijala           | 0  | 4           | 3.1         | 0          | 0   | 0           | 0           | 0          |
| 8     | West Tripura         | 4.5  | 0           | 3.65        | 0          | 0   | 0           | 12.1        | 0          |
|       | <b>Total</b>         | <b>4.5</b>   | <b>4</b>    | <b>12.1</b> | <b>0</b>   | <b>0</b>  | <b>0</b>    | <b>12.1</b> | <b>0</b>   |

**Table 29(f): Tripura-Details on Recycling / Utilization/Co-Processing of Hazardous Waste**

| S.No     | Type of Recycling Facilities                               | No of Facilities authorized for recycling / utilization / Co-processing of HW | Total Authorized Capacity (MTA) | Quantity Recycled/ Utilized/ Co-processed (MT) during the year |
|----------|--|---|---------------------------------|--|
| <b>A</b> | <b>Commonly Recyclable HW</b>                              |   |                                 |  |
| 8        | Used oil   | 0   | 273.76                          | 261.66   |
| 9        | Waste Oil  |   |                                 |  |
|          | <b>Total</b>   | 0   | 273.76                          | 261.66   |
| <b>B</b> | <b>Utilization of HW under Rule 9</b>                      |   |                                 |  |
| 12       | De-contamination of contaminated drums/containers/ barrels | 0   | 4.92                            | 2.46   |
|          | <b>Total</b>   |   | 4.92                            | 2.46   |
| <b>C</b> | <b>Co-processing in Cement Plants</b>                      | 0   | 0                               | 0  |



**Table 29(g): Tripura-List of Authorized Recyclers/ Utilizers/Co-processors of Hazardous Waste**

| 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) |
|------|---|---|---|--|
| 1    | Sending waste to M/s Assam Petro Chem, Guwahati | 1) Discarded containers<br>2) Waste oil/ used oil |   | Total 264.12 MTA                               |

**Table 29(h): Tripura-Details of Hazardous waste disposed in Common TSDF(s)**

| S. N | 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 Pre-Processed for utilization (MT) | Quantity in Stock at the end of the year (MT) |             | Cumulative HW disposed in SLF by the end of financial year (MT) | Capacity           |                   |                 |     |
|------|------------------------------|---|-------------|--|------------------------------|------------------|---|-------------------------------------|----------------------|---|---|-------------|---|--------------------|-------------------|-----------------|-----|
|      |                              | Landfillable  | Incinerable | For Direct landfill                        | For Landfill after treatment | For Incineration | Quantity Landfilled directly              | Quantity Landfilled after treatment | Quantity Incinerated |   | Landfillable                                  | Incinerable |   | Incinerator (KCal) | Incinerator (T/H) | Landfill (MT/A) |     |
| 1    | Nil                          | Nil   | Nil         | Nil  | Nil                          | Nil              | Nil                                       | Nil                                 | Nil                  | Nil   | Nil   | Nil         | Nil   | Nil                | Nil               | Nil             | Nil |

**Table 29(i): Tripura-Details of Hazardous waste disposed in Captive TSDF(s)**

| S. No. | Name and Address of Captive facility | Type of facility (landfillable/Incinerable/both) | Capacity          |                 | HW disposed during the year | Cumulative HW disposed till the end of financial year |
|--------|--------------------------------------|--|-------------------|-----------------|-----------------------------|---|
|        |                                      |  | Incinerator (T/H) | Landfill (MT/A) |                             |   |
| Nil    | Nil                                  | Nil  | Nil               | Nil             | Nil                         | Nil   |

**30.**  
**UTTAR PRADESH**  
**(Hazardous waste generation and its Management)**

Table 30(a): Uttar Pradesh-Details of Hazardous waste Generation

| S. N. | Name of the District | Number of HW Generating Industry | Authorized Quantity of Hazardous Waste (Metric Tonne) |             |            |            | *Quantity of Hazardous Waste generated as per Annual Return within the State/UT (Metric Tonne) |             |            |            | Quantity of HW imported during the year (Metric Tonne) | Quantity of HW exported during the year (Metric Tonne) |
|-------|----------------------|----------------------------------|---|-------------|------------|------------|--|-------------|------------|------------|--|--|
|       |                      |                                  | Landfillable  | Incinerable | Recyclable | Utilizable | Landfillable   | Incinerable | Recyclable | Utilizable |  |  |
|       |                      |                                  | 1   | 2           | 3          | 4          | 5  | 6           | 7          | 8          |  |  |
| 1     | Kanpur Nagar         | 354                              | 11480.0625  | 0           | 785.675    | 0          | 9184.05  | 0           | 628.54     | 0          | 0  | 0  |
| 2     | Farrukhabad          | 21                               | 8.125   | 0           | 0          | 0.688      | 6.5  | 0           | 0          | 0.55       | 0  | 0  |
| 3     | Kanpur Dehat         | 28                               | 3184.44   | 2787.51     | 0          | 1312.5     | 2547.552   | 2230.008    | 0          | 1050       | 0  | 0  |
| 4     | Jhansi               | 10                               | 1.125   | 100         | 205.638    | 0          | 0.9  | 80          | 164.51     | 0          | 0  | 0  |
| 5     | Lalitpur             | 2                                | 0   | 1.38        | 0          | 0          | 0  | 1.104       | 0          | 0          | 0  | 0  |
| 6     | Jalaun               | 3                                | 75  | 14.675      | 0          | 0          | 60   | 11.74       | 0          | 0          | 0  | 0  |
| 7     | Hamirpur             | 4                                | 119.35  | 0           | 0          | 66.75      | 95.48  | 0           | 0          | 53.4       | 0  | 0  |
| 8     | Meerut               | 96                               | 1935.80875  | 0           | 1057.5     | 358.781    | 1548.647   | 0           | 846        | 287.025    | 0  | 0  |
| 9     | Baghpat              | 35                               | 28.54   | 0           | 0          | 2.275      | 22.832   | 0           | 0          | 1.82       | 0  | 0  |
| 10    | Muzaffernagar        | 80                               | 3281.25   | 0           | 3.5        | 22.5       | 2625   | 0           | 2.8        | 18         | 0  | 0  |
| 11    | Shamli               | 10                               | 399   | 0           | 0          | 6.875      | 319.2  | 0           | 0          | 5.5        | 0  | 0  |
| 12    | Bulandshahar         | 86                               | 343.8   | 134         | 15.538     | 2250       | 275.04   | 107.2       | 12.43      | 1800       | 0  | 0  |
| 13    | Badaun               | 2                                | 3   | 0           | 0          | 0          | 2.4  | 0           | 0          | 0          | 0  | 0  |
| 14    | Agra                 | 49                               | 23.25875  | 0           | 1125       | 0          | 18.607   | 0           | 900        | 0          | 0  | 0  |
| 15    | Aligarh              | 26                               | 11.25   | 0           | 174.875    | 0          | 9  | 0           | 139.9      | 0          | 0  | 0  |
| 16    | Etha                 | 2                                | 0.75  | 0           | 1.25       | 0          | 0.6  | 0           | 1          | 0          | 0  | 0  |
| 17    | Kashganj             | 2                                | 0.002   | 0           | 0.65       | 0          | 0.002  | 0           | 0.52       | 0          | 0  | 0  |
| 18    | Hathras              | 5                                | 175.9   | 0           | 17.125     | 0          | 140.72   | 0           | 13.7       | 0          | 0  | 0  |
| 19    | Mathura              | 104                              | 505.43125   | 0           | 56.25      | 0          | 404.345  | 0           | 45         | 0          | 0  | 0  |

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| S. N. | Name of the District | Number of HW Generating Industry | Authorized Quantity of Hazardous Waste (Metric Tonne) |             |            |            | *Quantity of Hazardous Waste generated as per Annual Return within the State/UT (Metric Tonne) |             |            |            | Quantity of HW imported during the year (Metric Tonne) | Quantity of HW exported during the year (Metric Tonne) |
|-------|----------------------|----------------------------------|---|-------------|------------|------------|--|-------------|------------|------------|--|--|
|       |                      |                                  | Landfillable  | Incinerable | Recyclable | Utilizable | Landfillable   | Incinerable | Recyclable | Utilizable |  |  |
|       |                      |                                  | 1   | 2           | 3          | 4          | 5  | 6           | 7          | 8          |  |  |
| 20    | Noida                | 281                              | 1289.275  | 109.514     | 792.178    | 0          | 1031.42  | 87.611      | 633.742    | 0          | 0  | 0  |
| 21    | Greater Noida        | 147                              | 3762.17   | 1981.113    | 1057.938   | 0          | 3009.736   | 1584.89     | 846.35     | 0          | 0  | 0  |
| 22    | Hapur                | 32                               | 1825.2375   | 547.5       | 10784.95   | 0          | 1460.19  | 438         | 8627.96    | 0          | 0  | 0  |
| 23    | Ghaziabad            | 357                              | 7120.50375  | 3214.345    | 39662.961  | 720.575    | 5696.403   | 2571.476    | 31730.369  | 576.46     | 0  | 0  |
| 24    | Allahabad            | 11                               | 6355.36   | 2.35        | 2083.813   | 7997       | 5084.288   | 1.88        | 1667.05    | 6397.6     | 0  | 0  |
| 25    | Fatehpur             | 11                               | 2105.5  | 156         | 184.75     | 0          | 1684.4   | 124.8       | 147.8      | 0          | 0  | 0  |
| 26    | Lucknow              | 21                               | 1908.8  | 0.25        | 11.5       | 0          | 1527.04  | 0.2         | 9.2        | 0          | 0  | 0  |
| 27    | Sitapur              | 8                                | 187.75  | 29.538      | 7.5        | 2.5        | 150.2  | 23.63       | 6          | 2          | 0  | 0  |
| 28    | Barahbanki           | 8                                | 14.64   | 430         | 0          | 29.538     | 11.712   | 344         | 0          | 23.63      | 0  | 0  |
| 29    | Lukhimpur            | 9                                | 0   | 53.55       | 0          | 53.55      | 0  | 42.84       | 0          | 42.84      | 0  | 0  |
| 30    | Raebareli            | 8                                | 2.1   | 0           | 747.796    | 0          | 1.68   | 0           | 598.237    | 0          | 0  | 0  |
| 31    | Amethi               | 12                               | 64.95   | 0           | 385.25     | 0          | 51.96  | 0           | 308.2      | 0          | 0  | 0  |
| 32    | Sultanpur            | 1                                | 0   | 1.25        | 0          | 1.25       | 0  | 1           | 0          | 1          | 0  | 0  |
| 33    | Unnao                | 93                               | 9242.3375   | 0           | 346.625    | 4.938      | 7393.87  | 0           | 277.3      | 3.95       | 0  | 0  |
| 34    | Hardoi               | 13                               | 1106.875  | 5.5         | 1363.563   | 5.5        | 885.5  | 4.4         | 1090.85    | 4.4        | 0  | 0  |
| 35    | Varanasi             | 4                                | 60.75   | 0           | 3816.25    | 675        | 48.6   | 0           | 3053       | 540        | 0  |  |
| 36    | Bhadohi              | 30                               | 36.25   | 0           | 0          | 0          | 29   | 0           | 0          | 0          | 0  | 0  |
| 37    | Jaunpur              | 6                                | 33.75   | 0           | 0          | 5          | 27   | 0           | 0          | 4          | 0  |  |
| 38    | Chandauli            | 10                               | 8.125   | 0           | 0          | 37.5       | 6.5  | 0           | 0          | 30         | 0  | 0  |
| 39    | Faizabad             | 5                                | 51.875  | 11.5        | 850.088    | 10         | 41.5   | 9.2         | 680.07     | 8          | 0  |  |
| 40    | Ambedkar Nagar       | 3                                | 0   | 3.75        | 55.643     | 0          | 0  | 3           | 44.514     | 0          | 0  | 0  |

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| S. N. | Name of the District | Number of HW Generating Industry | Authorized Quantity of Hazardous Waste (Metric Tonne) |             |            |            | *Quantity of Hazardous Waste generated as per Annual Return within the State/UT (Metric Tonne) |             |            |            | Quantity of HW imported during the year (Metric Tonne) | Quantity of HW exported during the year (Metric Tonne) |
|-------|----------------------|----------------------------------|---|-------------|------------|------------|--|-------------|------------|------------|--|--|
|       |                      |                                  | Landfillable  | Incinerable | Recyclable | Utilizable | Landfillable   | Incinerable | Recyclable | Utilizable |  |  |
|       |                      |                                  | 1   | 2           | 3          | 4          | 5  | 6           | 7          | 8          |  |  |
| 41    | Gonda                | 8                                | 0.04  | 22.751      | 0          | 0          | 0.032  | 18.201      | 0          | 0          | 0  | 0  |
| 42    | Bahraich             | 6                                | 0.2625  | 8.25        | 0          | 0          | 0.21   | 6.6         | 0          | 0          | 0  | 0  |
| 43    | Basti                | 3                                | 0   | 62.125      | 0          | 0          | 0  | 49.7        | 0          | 0          | 0  | 0  |
| 44    | Sant Kabir Nagar     | 2                                | 0   | 4.95        | 0          | 0          | 0  | 3.96        | 0          | 0          | 0  | 0  |
| 45    | Balrampur            | 4                                | 0   | 46.125      | 0          | 0          | 0  | 36.9        | 0          | 0          | 0  | 0  |
| 46    | Firozabad            | 4                                | 6.55  | 0           | 0          | 0          | 5.24   | 0           | 0          | 0          | 0  | 0  |
| 47    | Etawa                | 2                                | 0.25  | 0           | 2.5        | 0          | 0.2  | 0           | 2          | 0          | 0  | 0  |
| 48    | Azamgarh             | 1                                | 0   | 2.5         | 0          | 0          | 0  | 2           | 0          | 0          | 0  | 0  |
| 49    | Mau                  | 3                                | 0   | 4.875       | 0          | 0          | 0  | 3.9         | 0          | 0          | 0  | 0  |
| 50    | Deoria               | 7                                | 0   | 10.75       | 0          | 10.75      | 0  | 8.6         | 0          | 8.6        | 0  | 0  |
| 51    | Gorakhpur            | 16                               | 455   | 474.625     | 4225.613   | 0          | 364  | 379.7       | 3380.49    | 0          | 0  | 0  |
| 52    | Kushinagar           | 5                                | 0   | 35.25       | 0          | 0          | 0  | 28.2        | 0          | 0          | 0  | 0  |
| 53    | Maharajganj          | 2                                | 0   | 12.75       | 0          | 0          | 0  | 10.2        | 0          | 0          | 0  | 0  |
| 54    | Amroha               | 29                               | 142.2125  | 5079.644    | 94.163     | 51334      | 533.77   | 4063.715    | 75.33      | 41067.2    | 0  | 0  |
| 55    | Bijnor               | 27                               | 0   | 45.25       | 0          | 1908.5     | 0  | 36.2        | 0          | 1526.8     | 0  | 0  |
| 56    | Moradabad            | 125                              | 174.85625   | 6.125       | 10.494     | 0          | 139.885  | 4.9         | 8.395      | 0          | 0  | 0  |
| 57    | Rampur               | 9                                | 13.0625   | 9.5         | 1.25       | 0          | 10.45  | 7.6         | 1          | 0          | 0  | 0  |
| 58    | Sambhal              | 6                                | 3283.125  | 7.5         | 0.063      | 0          | 2626.5   | 6           | 0.05       | 0          | 0  | 0  |
| 59    | Bareilly             | 20                               | 822.325   | 25.113      | 112.5      | 3799.838   | 657.86   | 20.09       | 90         | 3039.87    | 0  | 0  |
| 60    | Piliphit             | 8                                | 0   | 462.5       | 3446.875   | 0          | 0  | 370         | 2757.5     | 0          | 0  | 0  |
| 61    | Shahjahanpur         | 18                               | 0   | 0           | 400        | 7407.305   | 0  | 0           | 320        | 5925.844   | 0  | 0  |

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| S. N. | Name of the District | Number of HW Generating Industry | Authorized Quantity of Hazardous Waste (Metric Tonne) |                  |                  |                 | *Quantity of Hazardous Waste generated as per Annual Return within the State/UT (Metric Tonne) |                  |                  |                  | Quantity of HW imported during the year (Metric Tonne) | Quantity of HW exported during the year (Metric Tonne) |
|-------|----------------------|----------------------------------|---|------------------|------------------|-----------------|--|------------------|------------------|------------------|--|--|
|       |                      |                                  | Landfillable  | Incinerable      | Recyclable       | Utilizable      | Landfillable   | Incinerable      | Recyclable       | Utilizable       |  |  |
|       |                      |                                  | 1   | 2                | 3                | 4               | 5  | 6                | 7                | 8                |  |  |
| 62    | Sonbhadra            | 17                               | 2625.2375   | 0                | 246.938          | 1836.415        | 2100.19  | 0                | 197.55           | 1469.132         | 0  | 0  |
| 63    | Mirzapur             | 22                               | 230.5   | 0                | 0                | 6275.375        | 184.4  | 0                | 0                | 5020.3           | 0  | 0  |
| 64    | Saharanpur           | 30                               | 6155.995  | 21.375           | 0                | 52570.25        | 4924.796   | 17.1             | 0                | 42056.2          | 0  |  |
| 65    | Auraiya              | 3                                | 418.1875  | 1963.75          | 0                | 0               | 334.55   | 1571             | 0                | 0                | 0  | 0  |
|       | <b>Total</b>         | <b>2366</b>                      | <b>71079.945</b>                                      | <b>17889.433</b> | <b>74134.202</b> | <b>138705.1</b> | <b>57283.957</b>   | <b>14311.545</b> | <b>59307.357</b> | <b>110964.12</b> | <b>0</b>   | <b>0</b>   |

**Table 30(b): Uttar Pradesh- 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      | Quantity sent (MT) |
|        |   |  | 12                     |  | 13                 |
| 1      | For disposal at common secured landfill                 | Nil  | Nil                    | Nil                                    | Nil                |
| 2      | For disposal at common Incinerator                      | Biahr- 55.408<br>J&K- 390.59<br>Punjab-1335.64 | Nil                    | Nil                                    | Nil                |
| 3      | For recycling by Schedule IV recyclers                  | Nil  | Nil                    | Nil                                    | Nil                |
| 4      | For utilization in co-processing (cement plants)        | Nil  | Nil                    | Nil                                    | Nil                |
| 5      | For utilization under Rule 9 (other than co-processing) | Nil  | Nil                    | Nil                                    | Nil                |

**Table 30(c): Uttar Pradesh-Details on Hazardous Waste Recycled and Utilized**

| S. N. | 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 Kiln | Other than co-processing | Captive Utilization(other than coloumn 15 & 16) |  | Co-processing in Cement Kiln | Under Rule 9 other than co-processing | Captive Utilization(other than coloumn 19 & 20) |
|       |                      |  |                              |                          |   |  |                              |                                       |   |
| 1     | Kanpur Nagar         | 628.54   | 0                            | 0                        | 0   | 0  | 0                            | 0                                     | 0   |
| 2     | Farrukhabad          | 0  | 0                            | 0                        | 0.55  | 0  | 0                            | 0                                     | 0   |
| 3     | Kanpur Dehat         | 0  | 0                            | 1050                     | 0   | 0  | 0                            | 0                                     | 0   |
| 4     | Jhansi               | 164.51   | 0                            | 0                        | 0   | 0  | 0                            | 0                                     | 0   |
| 5     | Lalitpur             | 0  | 0                            | 0                        | 0   | 0  | 0                            | 0                                     | 0   |

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| S. N. | 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 Kiln | Other than co-processing | Captive Utilization (other than column 15 & 16) |   | Co-processing in Cement Kiln | Under Rule 9 other than co-processing | Captive Utilization (other than column 19 & 20) |
|       |                      |   |                              |                          |   |   |                              |                                       |   |
| 6     | Jalaun               | 0   | 0                            | 0                        | 0   | 0   | 0                            | 0                                     | 0   |
| 7     | Hamirpur             | 0   | 0                            | 50                       | 3.4   | 0   | 0                            | 0                                     | 0   |
| 8     | Meerut               | 846   | 0                            | 0                        | 287.025   | 0   | 0                            | 0                                     | 0   |
| 9     | Baghpat              | 0   | 0                            | 0                        | 1.82  | 0   | 0                            | 0                                     | 0   |
| 10    | Muzaffarnagar        | 2.8   | 0                            | 0                        | 18  | 0   | 0                            | 0                                     | 0   |
| 11    | Shamli               | 0   | 0                            | 0                        | 5.5   | 0   | 0                            | 0                                     | 0   |
| 12    | Bulandshahar         | 12.43   | 0                            | 0                        | 1800  | 0   | 0                            | 0                                     | 0   |
| 13    | Badaun               | 0   | 0                            | 0                        | 0   | 0   | 0                            | 0                                     | 0   |
| 14    | Agra                 | 900   | 0                            | 0                        | 0   | 0   | 0                            | 0                                     | 0   |
| 15    | Aligarh              | 139.9   | 0                            | 0                        | 0   | 0   | 0                            | 0                                     | 0   |
| 16    | Etha                 | 1   | 0                            | 0                        | 0   | 0   | 0                            | 0                                     | 0   |
| 17    | Kashganj             | 0.52  | 0                            | 0                        | 0   | 0   | 0                            | 0                                     | 0   |
| 18    | Hathras              | 13.7  | 0                            | 0                        | 0   | 0   | 0                            | 0                                     | 0   |
| 19    | Mathura              | 45  | 0                            | 0                        | 0   | 0   | 0                            | 0                                     | 0   |
| 20    | Noida                | 633.742   | 0                            | 0                        | 0   | 0   | 0                            | 0                                     | 0   |
| 21    | Greater Noida        | 846.35  | 0                            | 0                        | 0   | 0   | 0                            | 0                                     | 0   |
| 22    | Hapur                | 8627.96   | 0                            | 0                        | 0   | 0   | 0                            | 0                                     | 0   |
| 23    | Ghaziabad            | 31730.369   | 0                            | 0                        | 26.46   | 0   | 0                            | 0                                     | 0   |
| 24    | Allahabad            | 1667.05   | 0                            | 1397.6                   | 5000  | 0   | 0                            | 0                                     | 0   |
| 25    | Fatehpur             | 147.8   | 0                            | 0                        | 0   | 0   | 0                            | 0                                     | 0   |
| 26    | Lucknow              | 9.2   | 0                            | 0                        | 0   | 0   | 0                            | 0                                     | 0   |



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| S. N. | 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 Kiln | Other than co-processing | Captive Utilization (other than column 15 & 16) |   | Co-processing in Cement Kiln | Under Rule 9 other than co-processing | Captive Utilization (other than column 19 & 20) |
|       |                      |   |                              |                          |   |   |                              |                                       |   |
| 27    | Sitapur              | 6   | 0                            | 0                        | 2   | 0   | 0                            | 0                                     | 0   |
| 28    | Barahbanki           | 0   | 0                            | 0                        | 23.63   | 0   | 0                            | 0                                     | 0   |
| 29    | Lakhimpur            | 0   | 0                            | 0                        | 42.84   | 0   | 0                            | 0                                     | 0   |
| 30    | Raebareli            | 598.237   | 0                            | 0                        | 0   | 0   | 0                            | 0                                     | 0   |
| 31    | Amethi               | 308.2   | 0                            | 0                        | 0   | 0   | 0                            | 0                                     | 0   |
| 32    | Sultanpur            |   | 0                            | 0                        | 1   | 0   | 0                            | 0                                     | 0   |
| 33    | Unnao                | 277.3   | 0                            | 0                        | 3.95  | 0   | 0                            | 0                                     | 0   |
| 34    | Hardoi               | 1090.85   | 0                            | 0                        | 4.4   | 0   | 0                            | 0                                     | 0   |
| 35    | Varanasi             | 3053  | 0                            | 540                      | 0   | 0   | 0                            | 0                                     | 0   |
| 36    | Bhadohi              | 0   | 0                            | 0                        | 0   | 0   | 0                            | 0                                     | 0   |
| 37    | Jaunpur              | 0   | 0                            | 0                        | 4   | 0   | 0                            | 0                                     | 0   |
| 38    | chandauli            | 0   | 0                            | 0                        | 30  | 0   | 0                            | 0                                     | 0   |
| 39    | Faizabad             | 680.07  | 0                            | 0                        | 8   | 0   | 0                            | 0                                     | 0   |
| 40    | Ambedkar nagar       | 44.514  | 0                            | 0                        | 0   | 0   | 0                            | 0                                     | 0   |
| 41    | Gonda                | 0   | 0                            | 0                        | 0   | 0   | 0                            | 0                                     | 0   |
| 42    | Bahraich             | 0   | 0                            | 0                        | 0   | 0   | 0                            | 0                                     | 0   |
| 43    | Basti                | 0   | 0                            | 0                        | 0   | 0   | 0                            | 0                                     | 0   |
| 44    | Sant kabir nagar     | 0   | 0                            | 0                        | 0   | 0   | 0                            | 0                                     | 0   |
| 45    | Balrampur            | 0   | 0                            | 0                        |   | 0   | 0                            | 0                                     | 0   |
| 46    | Firozabad            | 0   | 0                            | 0                        | 0   | 0   | 0                            | 0                                     | 0   |

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| S. N. | 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 Kiln | Other than co-processing | Captive Utilization (other than column 15 & 16) |   | Co-processing in Cement Kiln | Under Rule 9 other than co-processing | Captive Utilization (other than column 19 & 20) |
|       |                      |   |                              |                          |   |   |                              |                                       |   |
| 47    | Etawa                | 2   | 0                            | 0                        | 0   | 0   | 0                            | 0                                     | 0   |
| 48    | Azamgarh             | 0   | 0                            | 0                        | 0   | 0   | 0                            | 0                                     | 0   |
| 49    | Mau                  | 0   | 0                            | 0                        | 0   | 0   | 0                            | 0                                     | 0   |
| 50    | Devaria              | 0   | 0                            | 0                        | 8.6   | 0   | 0                            | 0                                     | 0   |
| 51    | Gorakhpur            | 3380.49   | 0                            | 0                        | 0   | 0   | 0                            | 0                                     | 0   |
| 52    | Kushinagar           | 0   | 0                            | 0                        | 0   | 0   | 0                            | 0                                     | 0   |
| 53    | Maharajganj          | 0   | 0                            | 0                        | 0   | 0   | 0                            | 0                                     | 0   |
| 54    | Amroha               | 75.33   | 0                            | 40000                    | 1067.2  | 0   | 0                            | 0                                     | 0   |
| 55    | Bijnore              | 0   | 0                            | 0                        | 1526.8  | 0   | 0                            | 0                                     | 0   |
| 56    | Moradabad            | 8.395   | 0                            | 0                        | 0   | 0   | 0                            | 0                                     | 0   |
| 57    | Rampur               | 1   | 0                            | 0                        | 0   | 0   | 0                            | 0                                     | 0   |
| 58    | Sambhal              | 0.05  | 0                            | 0                        | 0   | 0   | 0                            | 0                                     | 0   |
| 59    | Bareilly             | 90  | 0                            | 3027.07                  | 12.8  | 0   | 0                            | 0                                     | 0   |
| 60    | Pilibhit             | 2757.5  | 0                            | 0                        | 0   | 0   | 0                            | 0                                     | 0   |
| 61    | Shahjahanpur         | 320   | 0                            | 0                        | 5925.844  | 0   | 0                            | 0                                     | 0   |
| 62    | Sonbhadra            | 197.55  | 1000                         | 469.132                  | 0   | 0   | 0                            | 0                                     | 0   |
| 63    | Mirzapur             | 0   | 0                            | 0                        | 5020.3  | 0   | 0                            | 0                                     | 0   |
| 64    | Saharanpur           | 0   | 0                            | 0                        | 42056.2   | 0   | 0                            | 0                                     | 0   |
| 65    | Auraiya              | 0   | 0                            | 0                        | 0   | 0   | 0                            | 0                                     | 0   |
|       | <b>Total</b>         | <b>59307.357</b>  | <b>1000</b>                  | <b>47083.802</b>         | <b>62880.319</b>                                | <b>0</b>  | <b>0</b>                     | <b>0</b>                              | <b>0</b>  |

**Table 30(d): Uttar Pradesh-Details on Hazardous Waste Disposed**

| S.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 Secured Landfill (MT)                 |         | Quantity Disposed through Incinerator (MT) |         |
|       |                      | Common  | Captive | Common                                     | Captive | Common   | Captive | Common                                     | Captive |
|       |                      | 22  | 23      | 24   | 25      | 26   | 27      | 28   | 29      |
| 1     | Kanpur Nagar         | 9184.05   | 0       | 0  | 0       | 0  | 0       | 0  | 0       |
| 2     | Farrukhabad          | 6.5   | 0       | 0  | 0       | 0  | 0       | 0  | 0       |
| 3     | Kanpur Dehat         | 2547.552  | 0       | 2218.358                                   | 11.65   | 0  | 0       | 0  | 0       |
| 4     | Jhansi               | 0.9   | 0       | 80   | 0       | 0  | 0       | 0  | 0       |
| 5     | Lalitpur             | 0   | 0       | 1.104                                      | 0       | 0  | 0       | 0  | 0       |
| 6     | Jalaun               | 60  | 0       | 11.74                                      | 0       | 0  | 0       | 0  | 0       |
| 7     | Hamirpur             | 95.48   | 0       | 0  | 0       | 0  | 0       | 0  | 0       |
| 8     | Meerut               | 1548.647  | 0       | 0  | 0       | 0  | 0       | 0  | 0       |
| 9     | Baghpat              | 22.832  | 0       | 0  | 0       | 0  | 0       | 0  | 0       |
| 10    | Muzaffarnagar        | 2625  | 0       | 0  | 0       | 0  | 0       | 0  | 0       |
| 11    | Shamli               | 319.2   | 0       | 0  | 0       | 0  | 0       | 0  | 0       |
| 12    | Bulandshahar         | 275.04  | 0       | 107.2                                      | 0       | 0  | 0       | 0  | 0       |
| 13    | Badaun               | 2.4   | 0       | 0  | 0       | 0  | 0       | 0  | 0       |
| 14    | Agra                 | 18.607  | 0       | 0  | 0       | 0  | 0       | 0  | 0       |
| 15    | Aligarh              | 9   | 0       | 0  | 0       | 0  | 0       | 0  | 0       |
| 16    | Etha                 | 0.6   | 0       | 0  | 0       | 0  | 0       | 0  | 0       |
| 17    | Kashganj             | 0.0016  | 0       | 0  | 0       | 0  | 0       | 0  | 0       |
| 18    | Hathras              | 140.72  | 0       | 0  | 0       | 0  | 0       | 0  | 0       |
| 19    | Mathura              | 404.345   | 0       | 0  | 0       | 0  | 0       | 0  | 0       |
| 20    | Noida                | 1031.42   | 0       | 87.611                                     | 0       | 0  | 0       | 0  | 0       |
| 21    | Greater Noida        | 3009.736  | 0       | 1584.89                                    | 0       | 0  | 0       | 0  | 0       |
| 22    | Hapur                | 1460.19   | 0       | 438  | 0       | 0  | 0       | 0  | 0       |

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| S.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 Secured Landfill (MT)                 |         | Quantity Disposed through Incinerator (MT) |         |
|       |                      | Common  | Captive | Common                                     | Captive | Common   | Captive | Common                                     | Captive |
|       |                      | 22  | 23      | 24   | 25      | 26   | 27      | 28   | 29      |
| 23    | Ghaziabad            | 5696.403  | 0       | 2571.476                                   | 0       | 0  | 0       | 0  | 0       |
| 24    | Allahabad            | 5084.288  | 0       | 1.88                                       | 0       | 0  | 0       | 0  | 0       |
| 25    | Fatehpur             | 1684.4  | 0       | 124.8                                      | 0       | 0  | 0       | 0  | 0       |
| 26    | Lucknow              | 1527.04   | 0       | 0.2  | 0       | 0  | 0       | 0  | 0       |
| 27    | Sitapur              | 150.2   | 0       | 23.63                                      | 0       | 0  | 0       | 0  | 0       |
| 28    | Barahbanki           | 11.712  | 0       | 344  | 0       | 0  | 0       | 0  | 0       |
| 29    | Lakhimpur            | 0   | 0       | 42.84                                      | 0       | 0  | 0       | 0  | 0       |
| 30    | Raebareli            | 1.68  | 0       | 0  | 0       | 0  | 0       | 0  | 0       |
| 31    | Amethi               | 51.96   | 0       | 0  | 0       | 0  | 0       | 0  | 0       |
| 32    | Sultanpur            | 0   | 0       | 1  | 0       | 0  | 0       | 0  | 0       |
| 33    | Unnao                | 7393.87   | 0       | 0  | 0       | 0  | 0       | 0  | 0       |
| 34    | Hardoi               | 885.5   | 0       | 4.4  | 0       | 0  | 0       | 0  | 0       |
| 35    | Varanasi             | 48.6  | 0       | 0  | 0       | 0  | 0       | 0  | 0       |
| 36    | Bhadohi              | 29  | 0       | 0  | 0       | 0  | 0       | 0  | 0       |
| 37    | Jaunpur              | 27  | 0       | 0  | 0       | 0  | 0       | 0  | 0       |
| 38    | chandauli            | 6.5   | 0       | 0  | 0       | 0  | 0       | 0  | 0       |
| 39    | Faizabad             | 41.5  | 0       | 9.2  | 0       | 0  | 0       | 0  | 0       |
| 40    | Ambedkar nagar       | 0   | 0       | 3  | 0       | 0  | 0       | 0  | 0       |
| 41    | Gonda                | 0.032   | 0       | 18.201                                     | 0       | 0  | 0       | 0  | 0       |
| 42    | Bahraich             | 0.21  | 0       | 6.6  | 0       | 0  | 0       | 0  | 0       |
| 43    | Basti                | 0   | 0       | 49.7                                       | 0       | 0  | 0       | 0  | 0       |
| 44    | Sant kabir nagar     | 0   | 0       | 3.96                                       | 0       | 0  | 0       | 0  | 0       |

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| S.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 Secured Landfill (MT)                 |             | Quantity Disposed through Incinerator (MT) |             |
|       |                      | Common  | Captive    | Common                                     | Captive        | Common   | Captive     | Common                                     | Captive     |
|       |                      | 22  | 23         | 24   | 25             | 26   | 27          | 28   | 29          |
| 45    | Balrampur            | 0   | 0          | 36.9                                       | 0              | 0  | 0           | 0  | 0           |
| 46    | Firozabad            | 5.24  | 0          | 0  | 0              | 0  | 0           | 0  | 0           |
| 47    | Etawa                | 0.2   | 0          | 0  | 0              | 0  | 0           | 0  | 0           |
| 48    | Azamgarh             | 0   | 0          | 2  | 0              | 0  | 0           | 0  | 0           |
| 49    | Mau                  | 0   | 0          | 3.9  | 0              | 0  | 0           | 0  | 0           |
| 50    | Devaria              | 0   | 0          | 8.6  | 0              | 0  | 0           | 0  | 0           |
| 51    | Gorakhpur            | 364   | 0          | 379.7                                      | 0              | 0  | 0           | 0  | 0           |
| 52    | Kushinagar           | 0   | 0          | 28.2                                       | 0              | 0  | 0           | 0  | 0           |
| 53    | Maharajganj          | 0   | 0          | 10.2                                       | 0              | 0  | 0           | 0  | 0           |
| 54    | Amroha               | 113.77  | 420        | 1325.715                                   | 2738           | 0  | 0           | 0  | 0           |
| 55    | Bijnore              | 0   | 0          | 36.2                                       | 0              | 0  | 0           | 0  | 0           |
| 56    | Moradabad            | 139.885   | 0          | 4.9  | 0              | 0  | 0           | 0  | 0           |
| 57    | Rampur               | 10.45   | 0          | 7.6  | 0              | 0  | 0           | 0  | 0           |
| 58    | Sambhal              | 2626.5  | 0          | 6  | 0              | 0  | 0           | 0  | 0           |
| 59    | Bareilly             | 657.86  | 0          | 20.09                                      | 0              | 0  | 0           | 0  | 0           |
| 60    | Piliphit             | 0   | 0          | 370  | 0              | 0  | 0           | 0  | 0           |
| 61    | Shahjahanpur         | 0   | 0          | 0  | 0              | 0  | 0           | 0  | 0           |
| 62    | Sonbhadra            | 2100.19   | 0          | 0  | 0              | 0  | 0           | 0  | 0           |
| 63    | Mirzapur             | 184.4   | 0          | 0  | 0              | 0  | 0           | 0  | 0           |
| 64    | Saharanpur           | 4924.796  | 0          | 17.1                                       | 0              | 0  | 0           | 0  | 0           |
| 65    | Auraiya              | 334.55  | 0          | 1571                                       | 0              | 0  | 0           | 0  | 0           |
|       | <b>Total</b>         | <b>56863.9566</b>   | <b>420</b> | <b>11561.895</b>                           | <b>2749.65</b> | <b>0.00</b>  | <b>0.00</b> | <b>0.00</b>                                | <b>0.00</b> |

**Table 30(e): Uttar Pradesh-Details on Hazardous Waste Stored at Occupier Premises**

| S.No. | Name of the District | Total Quantity of HW stored at Occupier premises at the beginning of the financial year i.e. 01.04.2017 (MT) |             |            |            | Total Quantity of HW stored at Occupier premises during the financial year i.e. 1st April to 31st March 2018 (MT) |             |            |            |
|-------|----------------------|--|-------------|------------|------------|---|-------------|------------|------------|
|       |                      | Landfillable   | Incinerable | Recyclable | Utilizable | Landfillable  | Incinerable | Recyclable | Utilizable |
|       |                      | 30   | 31          | 32         | 33         | 34  | 35          | 36         | 37         |
| 1     | Kanpur Nagar         |  | 109.2       |            |            |   |             |            |            |
| 2     | Farrukhabad          |  | 0           |            |            |   |             |            |            |
| 3     | Kanpur Dehat         |  | 669.215     |            |            |   |             |            |            |
| 4     | Jhansi               |  | 5.3         |            |            |   |             |            |            |
| 5     | Lalitpur             |  | 0.5         |            |            |   |             |            |            |
| 6     | Jalaun               |  | 0.24        |            |            |   |             |            |            |
| 7     | Hamirpur             |  | 0           |            |            |   |             |            |            |
| 8     | Meerut               |  | 16.341      |            |            |   |             |            |            |
| 9     | Baghpat              |  | 0.984       |            |            |   |             |            |            |
| 10    | Muzaffarnagar        |  | 1740        |            |            |   |             |            |            |
| 11    | Shamli               |  | 0           |            |            |   |             |            |            |
| 12    | Bulandshahar         |  | 0           |            |            |   |             |            |            |
| 13    | Badaun               |  | 0           |            |            |   |             |            |            |
| 14    | Agra                 |  | 0.68        |            |            |   |             |            |            |
| 15    | Aligarh              |  | 3.74        |            |            |   |             |            |            |
| 16    | Etha                 |  | 0.175       |            |            |   |             |            |            |
| 17    | Kashganj             |  | 0.3         |            |            |   |             |            |            |
| 18    | Hathras              |  | 0           |            |            |   |             |            |            |
| 19    | Mathura              |  | 0           |            |            |   |             |            |            |
| 20    | Noida                |  | 91.7745     |            |            |   |             |            |            |
| 21    | Greater Noida        |  | 416.009     |            |            |   |             |            |            |
| 22    | Hapur                |  | 11          |            |            |   |             |            |            |
| 23    | Ghaziabad            |  | 1320.459    |            |            |   |             |            |            |
| 24    | Allahabad            |  | 0           |            |            |   |             |            |            |

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| S.No. | Name of the District | Total Quantity of HW stored at Occupier premises at the beginning of the financial year i.e. 01.04.2017 (MT) |             |            |            | Total Quantity of HW stored at Occupier premises during the financial year i.e. 1st April to 31st March 2018 (MT) |             |            |            |
|-------|----------------------|--|-------------|------------|------------|---|-------------|------------|------------|
|       |                      | Landfillable   | Incinerable | Recyclable | Utilizable | Landfillable  | Incinerable | Recyclable | Utilizable |
|       |                      | 30   | 31          | 32         | 33         | 34  | 35          | 36         | 37         |
| 25    | Fatehpur             |  | 0           |            |            |   |             |            |            |
| 26    | Lucknow              |  | 0           |            |            |   |             |            |            |
| 27    | Sitapur              |  | 0           |            |            |   |             |            |            |
| 28    | Barahbanki           |  | 0           |            |            |   |             |            |            |
| 29    | Lakhimpur            |  | 0           |            |            |   |             |            |            |
| 30    | Raebareli            |  | 0           |            |            |   |             |            |            |
| 31    | Amethi               |  | 0           |            |            |   |             |            |            |
| 32    | Sultanpur            |  | 0           |            |            |   |             |            |            |
| 33    | Unnao                |  | 0           |            |            |   |             |            |            |
| 34    | Hardoi               |  | 0.6         |            |            |   |             |            |            |
| 35    | Varanasi             |  | 0           |            |            |   |             |            |            |
| 36    | Bhadohi              |  | 0           |            |            |   |             |            |            |
| 37    | Jaunpur              |  | 0           |            |            |   |             |            |            |
| 38    | chandauli            |  | 0           |            |            |   |             |            |            |
| 39    | Faizabad             |  | 0           |            |            |   |             |            |            |
| 40    | Ambedkar nagar       |  | 0           |            |            |   |             |            |            |
| 41    | Gonda                |  | 0           |            |            |   |             |            |            |
| 42    | Bahraich             |  | 0           |            |            |   |             |            |            |
| 43    | Basti                |  | 0           |            |            |   |             |            |            |
| 44    | Sant kabir nagar     |  | 0           |            |            |   |             |            |            |
| 45    | Balrampur            |  | 0           |            |            |   |             |            |            |
| 46    | Firozabad            |  | 0           |            |            |   |             |            |            |
| 47    | Etawa                |  | 0           |            |            |   |             |            |            |

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| S.No. | Name of the District | Total Quantity of HW stored at Occupier premises at the beginning of the financial year i.e. 01.04.2017 (MT) |             |            |            | Total Quantity of HW stored at Occupier premises during the financial year i.e. 1st April to 31st March 2018 (MT) |             |            |            |
|-------|----------------------|--|-------------|------------|------------|---|-------------|------------|------------|
|       |                      | Landfillable   | Incinerable | Recyclable | Utilizable | Landfillable  | Incinerable | Recyclable | Utilizable |
|       |                      | 30   | 31          | 32         | 33         | 34  | 35          | 36         | 37         |
| 48    | Azamgarh             |  | 0           |            |            |   |             |            |            |
| 49    | Mau                  |  | 0           |            |            |   |             |            |            |
| 50    | Devaria              |  | 0           |            |            |   |             |            |            |
| 51    | Gorakhpur            |  | 0           |            |            |   |             |            |            |
| 52    | Kushinagar           |  | 0           |            |            |   |             |            |            |
| 53    | Maharajganj          |  | 0           |            |            |   |             |            |            |
| 54    | Amroha               |  | 0.6         |            |            |   |             |            |            |
| 55    | Bijnore              |  | 0           |            |            |   |             |            |            |
| 56    | Moradabad            |  | 0           |            |            |   |             |            |            |
| 57    | Rampur               |  | 0           |            |            |   |             |            |            |
| 58    | Sambhal              |  | 0           |            |            |   |             |            |            |
| 59    | Bareilly             |  | 169         |            |            |   |             |            |            |
| 60    | Piliphit             |  | 0           |            |            |   |             |            |            |
| 61    | Shahjahanpur         |  | 8           |            |            |   |             |            |            |
| 62    | Sonbhadra            |  | 0           |            |            |   |             |            |            |
| 63    | Mirzapur             |  | 0           |            |            |   |             |            |            |
| 64    | Saharanpur           |  | 0           |            |            |   |             |            |            |
| 65    | Auraiya              |  | 0           |            |            |   |             |            |            |
|       | <b>Total</b>         |  | 4564.1175   |            |            |   |             |            |            |



**Table 30(f): Uttar Pradesh-Details on Recycling / Utilization/Co-Processing of Hazardous Waste**

| S.No     | Type of Recycling Facilities   | No of Facilities authorized for recycling / utilization / Co-processing of HW | Total Authorized Capacity (MTA) | Quantity Recycled/ Utilized/ Co-processed (MT) during the year |
|----------|--|---|---------------------------------|--|
| <b>A</b> | <b>Commonly Recyclable HW</b>  |   |                                 |  |
| 1        | Brass Dross  | 5   | 3756.66                         | 2253.95  |
| 2        | Zinc Bearing Wastes  | 18  | 10817.46                        | 4713.95  |
| 3        | Copper Bearing Waste   | 12  | 3940.37                         | 2437.68  |
| 4        | Spent catalyst containing nickel, cadmium, Zinc, copper, arsenic, vanadium and cobalt  | 1   | 2.3                             | 2.3  |
| 5        | Lead bearing waste including battery waste   | 104   | 68373.5                         | 34774.12   |
| 6        | E-Waste  | 10  | 27715                           | 1532.393   |
| 7        | Paint and ink Sludge/residues  |   |                                 |  |
| 8        | Used oil   | 23  | 35430.942                       | 12313.564  |
| 9        | Waste Oil  | 2   | 205.776                         | 204.8  |
| 10       | Chrome containig sludge  | 4   | 1074.6                          | 1074.6   |
| 11       | Carbonic residues  | 1   | 120                             | 0  |
|          | <b>Total</b>   | <b>180</b>  | <b>151436.608</b>               | <b>59307.357</b>   |
| <b>B</b> | <b>Utilization of HW under Rule 9</b>  |   |                                 |  |
| 1        | Recovery of solvents from spent solvents   | 1   | 40000                           | 40000  |
| 2        | Utilization of Spent Catalyst - to recover - Platinum, Iridium, Osmium, Palladium, Rhodium, Ruthium, Rhenium, Gold & Silver            | 1   | 197.6                           | 197.6  |
| 3        | Utilization of Used Anode Butt to produce Carbon Pellets and High Energy (HE) Coke for use in Steel furnaces/foundries.                | 1   | 448.832                         | 448.832  |
| 4        | De-contamination of contaminated drums/containers/ barrels   | 14  | 4677.59                         | 4677.07  |
| 5        | Captive Utilization of Aluminium Dross generated from refining and casting house of Aluminium smelter units to recover Aluminium Metal | 4   | 1760.3                          | 1760.3   |
| 6        | Utilization of Aluminium Dross generated from refining and casting house of Aluminium smelter units to recover Aluminium Metal         |   |                                 |  |
|          | <b>Total</b>   | <b>21</b>   | <b>47084.322</b>                | <b>47083.802</b>   |
| <b>C</b> | <b>Co-processing in Cement Plants</b>  | <b>1</b>  | <b>1000</b>                     | <b>1000</b>  |

**Table 30(g): Uttar Pradesh-List of Authorized Recyclers/ Utilizers/Co-processors of Hazardous Waste**

| 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) |
|------|--|--|---|--|
| 1    | M/s A.R.METAL, B-13 DADA NAGAR KANPUR                                | Schedule 4 (S.No. 17)                            | 240   | 6  |
| 2    | M/s AJAI ENTERPRISES, E-21 SITE-5 IND.AREA PANKI KNP.                | Schedule 4 (S.No. 17)                            | 135   | 4.8  |
| 3    | M/s AJAI ENTERPRISES, G-8 SITE-5 IND. AREA PANKI KNP.                | Schedule 4 (S.No. 17)                            | 75  | 2.4  |
| 4    | M/s AKHILESH METAL, F-24 SITE-5 IND.AREA PANKI KNP.                  | Schedule 4 (S.No. 17)                            | 112.5   | 3.6  |
| 5    | M/s Amar Enterpriese , F-38 PANKI SITE-5, Panki, Kanpur              | Schedule 4 (S.No. 17)                            | 60  | 1.56   |
| 6    | M/s AMAR METAL, F-38 PANKI SITE-5, Panki, Kanpur                     | Schedule 4 (S.No. 17)                            | 150   | 4.8  |
| 7    | M/s Anandeshwar Metal, D-38 Site 5 Panki , Kanpur                    | Schedule 4 (S.No. 17)                            | 150   | 4.8  |
| 8    | M/s ANIL MEATL WORKS (KRISHNA METAL), F-8 SITE-3 IND.AREA PANKI KNP. | Schedule 4 (S.No. 17)                            | 150   | 4.8  |
| 9    | M/s ANIL METAL, MTC D-21 PANKI SITE-3                                | Schedule 4 (S.No. 17)                            | 165   | 5.4  |
| 10   | M/s ANIL METAL, D-4 SITE-3 IND.AREA PANKI KNP.                       | Schedule 4 (S.No. 17)                            | 150   | 4.8  |
| 11   | M/s BADDKAU, A-1 DADA NAGAR (NAHARIYA), Kanpur                       | Schedule 4 (S.No. 17)                            | 60  | 1.56   |
| 12   | M/s BANSAL & BANSAL, F-63 SITE-5 IND.AREA PANKI KNP.                 | Schedule 4 (S.No. 17)                            | 165   | 5.4  |
| 13   | M/s Bhatia Metal, G-16 Site5, Panki , Kanpur                         | Schedule 4 (S.No. 17)                            | 240   | 6  |

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| 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) |
|------|---|--|---|--|
| 14   | M/s CHAHAT METAL WORKS, 2 NAURAIYAKHEDA SITE-5 PANKI            | Schedule 4 (S.No. 17)                            | 150   | 4.8  |
| 15   | M/s DINESH METAL CO., G-117SITE-3 IND.AREA PANKI KNP.           | Schedule 4 (S.No. 17)                            | 150   | 4.8  |
| 16   | M/s DURGA METAL, B/2-13 DADA NAGAR KANPUR                       | Schedule 4 (S.No. 17)                            | 150   | 4.8  |
| 17   | M/s GOLD BATTERY, D-24 SITE-5 IND.AREA PANKI KNP.               | Schedule 4 (S.No. 17)                            | 270   | 7.2  |
| 18   | M/s GURUDEV INTERPRISES, A-1/7 DADA NAGAR KANPUR                | Schedule 4 (S.No. 17)                            | 105   | 3  |
| 19   | M/s HARSH BAT. & METAL, A-1/37 DADA NAGAR KANPUR                | Schedule 4 (S.No. 17)                            | 150   | 4.8  |
| 20   | M/s HARSH METAL, MTC D-5 PANKI SITE-3, Kanpur                   | Schedule 4 (S.No. 17)                            | 150   | 4.8  |
| 21   | M/s Harshit Metal Ind., G-34 Site 1 Panki , Kanpur              | Schedule 4 (S.No. 17)                            | 105   | 3  |
| 22   | M/s HARSHIT BATTERY & METAL, D-5, MTC. SITE-3                   | Schedule 4 (S.No. 17)                            | 112.5   | 3.6  |
| 23   | M/s Krishna Metal works, F- 8, Site--3 panki , Kanpur           | Schedule 4 (S.No. 17)                            | 330   | 9.6  |
| 24   | M/s KUMAR BATTERY, G-66 SITE-3 IND.AREA PANKI KNP.              | Schedule 4 (S.No. 17)                            | 240   | 6  |
| 25   | M/s Laxmi Ind., F 71 Site 5 Panki , Kanpur                      | Schedule 4 (S.No. 17)                            | 90  | 2.4  |
| 26   | M/s LAXMI METAL, D-113,114 SITE-5 IND.AREA PANKI KNP.           | Schedule 4 (S.No. 17)                            | 240   | 6  |
| 27   | M/s LUCKY BATTERY WORKS(VEEJA), G-64 SITE-3 IND.AREA PANKI KNP. | Schedule 4 (S.No. 17)                            | 150   | 4.8  |

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|------|---|--|---|--|
| 28   | M/s M.T.V. METAL., MTC D-26 PANKI SITE-3, Kanpur          | Schedule 4 (S.No. 17)                            | 240   | 6  |
| 29   | M/s MADAN METAL, B-33 DADA NAGAR KANPUR                   | Schedule 4 (S.No. 17)                            | 240   | 6  |
| 30   | M/s MAHENDRA INTERPRISES, E-64 PANKI SITE-5, Kanpur       | Schedule 4 (S.No. 17)                            | 165   | 5.4  |
| 31   | M/s MANOJ METAL IND., K-14, 15SITE-3 IND.AREA PANKI KNP.  | Schedule 4 (S.No. 17)                            | 1200  | 36   |
| 32   | M/s MAYANK METAL CO., D-82 SITE-5 IND.AREA PANKI KNP.     | Schedule 4 (S.No. 17)                            | 240   | 6  |
| 33   | M/s NARYAN METAL CO., G-40 SITE-3 IND.AREA PANKI KNP.     | Schedule 4 (S.No. 17)                            | 90  | 2.4  |
| 34   | M/s Niraj Ind. , E-83 Site 5 Panki , Kanpur               | Schedule 4 (S.No. 17)                            | 90  | 2.4  |
| 35   | M/s OOMMI, A-1 DADA NAGAR (NAHARIYA), Kanpur              | Schedule 4 (S.No. 17)                            | 90  | 2.4  |
| 36   | M/s PATEL AND SONS, MTC-D-16 PANKI SITE-3                 | Schedule 4 (S.No. 17)                            | 112.5   | 3.6  |
| 37   | M/s PATEL METAL CO., MTC -135 PANKI SITE-3                | Schedule 4 (S.No. 17)                            | 112.5   | 3.6  |
| 38   | M/s RAGHAV IND., MTC D-6 PANKI SITE-3                     | Schedule 4 (S.No. 17)                            | 112.5   | 3.6  |
| 39   | M/s RAJ & SONS, A-1/34 DADA NAGAR KANPUR                  | Schedule 4 (S.No. 17)                            | 112.5   | 3.6  |
| 40   | M/s Raj Brothers, G-11 SITE- 5 IND.AREA PANKI KNP.        | Schedule 4 (S.No. 17)                            | 165   | 4.8  |
| 41   | M/s RAJENDRA JAISWAL, A-1 DADA NAGAR (NAHARIYA)           | Schedule 4 (S.No. 17)                            | 112.5   | 3.6  |
| 42   | M/s RAJENDRA METAL WORKS, G-7 SITE-5 IND. AREA PANKI KNP. | Schedule 4 (S.No. 17)                            | 240   | 6  |
| 43   | M/s RAM LAL, A-1 DADA NAGAR (NAHARIYA)                    | Schedule 4 (S.No. 17)                            | 240   | 6  |

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| 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) |
|------|--|--|---|--|
| 44   | M/s RAMA METAL CO., E-63 SITE-5 IND.AREA PANKI KNP.              | Schedule 4 (S.No. 17)                            | 240   | 6  |
| 45   | M/s RAMA METAL IND., J-30 SITE-3 IND.AREA PANKI KNP.             | Schedule 4 (S.No. 17)                            | 240   | 6  |
| 46   | M/s RAMESH INTERPRIES, E-83 B SITE-5 IND.AREA PANKI KNP.         | Schedule 4 (S.No. 17)                            | 240   | 6  |
| 47   | M/s S.R. (SURAJ) METAL WORKS, G-32 SITE-3 IND.AREA PANKI KNP.    | Schedule 4 (S.No. 17)                            | 90  | 2.4  |
| 48   | M/s S.S.INTERINTERNATIONAL, D-103 SITE-5 IND.AREA PANKI KNP.     | Schedule 4 (S.No. 17)                            | 112.5   | 3.6  |
| 49   | M/s AHARA METAL WORKS, SITE-5 IND.AREA PANKI KNP.                | Schedule 4 (S.No. 17)                            | 165   | 4.8  |
| 50   | M/s Sai Metal works, H-59 Site-1 ,Panki , Kanpur                 | Schedule 4 (S.No. 17)                            | 180   | 5.4  |
| 51   | M/s SANJAY METAL, MTC D-26 PANKI SITE-3                          | Schedule 4 (S.No. 17)                            | 135   | 4.2  |
| 52   | M/s SANJAY METAL, D-38 SITE-5 IND.AREA PANKI KNP.                | Schedule 4 (S.No. 17)                            | 660   | 18   |
| 53   | M/s SANJAY METAL WORKS, G-5 SITE-5 IND. AREA PANKI KNP.          | Schedule 4 (S.No. 17)                            | 660   | 18   |
| 54   | M/s SARVESH METAL, D-108 SITE-5 PANKI                            | Schedule 4 (S.No. 17)                            | 112.5   | 3.6  |
| 55   | M/s LAXMI IND (SATGURU CHEMICAL), E-72 SITE-5 IND.AREA PANKI KNP | Schedule 4 (S.No. 17)                            | 240   | 6  |
| 56   | M/s HANKAR METAL WORK, F-19 SITE-5 IND.AREA PANKI KNP.           | Schedule 4 (S.No. 17)                            | 240   | 6  |
| 57   | M/s SHANTI METAL, D-88 SITE-5 IND.AREA PANKI KNP.                | Schedule 4 (S.No. 17)                            | 90  | 2.4  |
| 58   | M/s SHARDA BATTERY, G-65 SITE-3 IND.AREA PANKI KNP.              | Schedule 4 (S.No. 17)                            | 90  | 2.4  |

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|------|---|--|---|--|
| 59   | M/s SHIV SHAKTI (SUBHASH) METAL, G-31 SITE-3 IND.AREA PANKI KNP.          | Schedule 4 (S.No. 17)                            | 90  | 2.4  |
| 60   | M/s SHIWAM BATTERV, MTC D-15 PANKI SITE-3                                 | Schedule 4 (S.No. 17)                            | 180   | 5.4  |
| 61   | M/s SIHIV SNANKER BATTERY, D-18 PANKI SITE 3                              | Schedule 4 (S.No. 17)                            | 180   | 5.4  |
| 62   | M/s SONY PRODUCT, D-42 SITE-4 IND.AREA PANKI KNP.                         | Schedule 4 (S.No. 17)                            | 240   | 6  |
| 63   | M/s SHARDA METAL WORKS, SITE-5,   | Schedule 4 (S.No. 17)                            | 270   | 7.2  |
| 64   | M/s SURENDRA METAL WORKS, D-75 SITE-4 IND.AREA PANKI KNP.                 | Schedule 4 (S.No. 17)                            | 165   | 4.2  |
| 65   | M/s VIJAY METAL WORK, F-30 SITE-5 IND.AREA PANKI KNP.                     | Schedule 4 (S.No. 17)                            | 180   | 5.4  |
| 66   | M/s VINOD PRAJAPATI, A-1 DADA NAGAR (NAHARIYA)                            | Schedule 4 (S.No. 17)                            | 105   | 3  |
| 67   | M/s VIRENDRA METAL, E-70 SITE-5 IND.AREA PANKI KNP                        | Schedule 4 (S.No. 17)                            | 150   | 4.2  |
| 68   | M/s YADAY METAL, A-1 DADA NAGAR (NAHARIYA)                                | Schedule 4 (S.No. 17)                            | 150   | 4.2  |
| 69   | M/s Miniral Oil Corp., Site 1, Panki, Kanpur                              | Schedule 4 (S.No. 20)                            | 366   | 135  |
| 70   | M/s Bharat Oil Corp., Site 1, Panki, Kanpur                               | Schedule 4 (S.No. 20)                            | 330   | 121.5  |
| 71   | M/s Jajmau Petro Chem, Jajmau, Kanpur                                     | Schedule 4 (S.No. 20)                            | 0.36  | 0.36   |
| 72   | M/s Venus Oil Corp., Site 3, Panki, Kanpur                                | Schedule 4 (S.No. 20)                            | 1.2   | 1.2  |
| 73   | M/s Phonix Oil Corp., Site 3, Panki, Kanpur                               | Schedule 4 (S.No. 20)                            | 0.36  | 0.36   |
| 74   | M/s Hari Metal & Chemical Industries, Bandi Mata Road, Chaubeypur, Kanpur | Schedule 4 (S.No. 14)                            | 600   | 0.5  |

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|------|--|--|---|--|
| 75   | M/s Bhagwati Metal & Chemicals, H-16, 22, Site-1, Panki Ind. Area, Kanpur          | Schedule 4 (S.No. 14)                            | 4000  | 0.5  |
| 76   | M/s Allien Oil Corporation, Industrial Area Partapur , Meerut                      | Schedule 4 (S.No. 20)                            | 365   | 365  |
| 77   | M/s Paswara Chemical Ltd, Mohiuddinpur , Meerut                                    | Schedule 4 (S.No. 20)                            | 150   | 150  |
| 78   | M/s Universal Viscous Oil Product, Vill-Roshanpur Dorli, Meerut                    | Schedule 4 (S.No. 20)                            | 231   | 231  |
| 79   | M/s Paswara Impex(PLTD), Udhogpuram , Meerut                                       | Schedule 4 (S.No. 20)                            | 100   | 100  |
| 80   | M/s R.R.B. Chemical Corp. HD-10, Ind. Area, Sikandrabad, Distt-Bulandshahr.        | Zinc Dross                                       | 1800  | 1800   |
| 81   | M/s Power Petro Chemicals. A-60/9, Ind.Aea, Sikandrabad, Distt-Bualndsahahr.       | Schedule 4 (S.No. 20)                            | 1800  | 1800   |
| 82   | M/s Narora Atomic Power Station, Narora, Distt-Bualndsahahr.                       | E- Waste   | 10  | 10   |
| 83   | M/s Shri Balaji Moters, Ind.Aea, Sikandrabad, Distt-Bulandsahahr.                  | E- Waste   | 1500  | 1500   |
| 84   | M/s Seema Oil Mill, Foundry Nagar, Agra  | Schedule 4 (S.No. 20)                            | 900   | 900  |
| 85   | M/s. Sundar Lal Mittal, Mandu Road, Hathras.                                       | Schedule 4 (S.No. 20)                            | 34.47   | 34.47  |
| 86   | M/s Bharat Oil Co. (I) Regd., E-18, Site-IV, Sahibabad Industrial Area, Ghaziabad. | Schedule 4 (S.No. 20)                            | 10000   | 293.277  |
| 87   | M/s DEE KAY INDUSTRIES,F-9, B.S. ROAD. IND. AREA, GHAZIABAD.                       | Schedule 4 (S.No. 20)                            | 1800  | 62   |
| 88   | M/s IFP PETRO PRODUCT P LTD, , 16/2C, SITE-4, SBD., Ghaziabad                      | Schedule 4 (S.No. 20)                            | 6000  | 505  |

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|------|--|--|---|--|
| 89   | M/s STEAM OIL & GEN IND. C-187, B.S. ROAD, Ghaziabad.                | Schedule 4 (S.No. 20)                            | 3600  | 253.845  |
| 90   | M/s BAJAJ INDUSTRIES,, F-7,S.S. OF GT. RD., Ghaziabad                | Lead bearing waste including battery waste       | 600   | 360  |
| 91   | M/s K.B. METALS, F-5,S.S. OF GT. RD., Ghaziabad                      | Lead bearing waste including battery waste       | 900   | 540  |
| 92   | M/s BALAJI PIGMENTS P LTD.,, A-6/17-19, S.S. OF G.T. ROAD, Ghaziabad | Lead bearing waste including battery waste       | 1500  | 900  |
| 93   | M/s MAHA LAXMI METALS, D-16, KAVI NAGAR IND. AREA, Ghaziabad.        | Lead bearing waste including battery waste       | 600   | 360  |
| 94   | M/s SHRI HARIOM METAL WORK (SUNIL PT), D-23, B.S. ROAD., Ghaziabad.  | Lead bearing waste including battery waste       | 345   | 207  |
| 95   | M/s SHIV METAL WORK (RAHEJA BATTERY, C-111, B.S. ROAD., Ghaziabad.   | Lead bearing waste including battery waste       | 720   | 432  |
| 96   | M/s B.D. ENTERPRISES (D.V. METAL), D-3, B.S. ROAD., Ghaziabad.       | Lead bearing waste including battery waste       | 336   | 202  |
| 97   | M/s PATEL ENTERPRISES, 5/28, S.S. OF G.T. ROAD, Ghaziabad.           | Lead bearing waste including battery waste       | 900   | 540  |
| 98   | M/s R.K. METALS, G-5, UDYOG KUNJ, DASNA, Ghaziabad.                  | Lead bearing waste including battery waste       | 600   | 360  |
| 99   | M/s HINDUSTAN BATTERY, G-25, UDYOG KUNJ, DASNA, Ghaziabad.           | Lead bearing waste including battery waste       | 600   | 360  |
| 100  | M/s L.M. PRODUCTS, F-293 & 294, M.G. ROAD I.A., Hapur.               | Lead bearing waste including battery waste       | 1200  | 720  |



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|------|--|--|---|--|
| 101  | M/s SHIV SHAKTI METALS, KH-545, SIKHERA RD, MODI NAGAR, Ghaziabad.             | Lead bearing waste including battery waste       | 540   | 324  |
| 102  | M/s ANKUR BROTHERS, 23-A, S.S. OF G.T. ROAD, Ghaziabad.                        | Lead bearing waste including battery waste       | 540   | 324  |
| 103  | M/s BALAJI METAL INDUSTRIES, C-99, B.S. ROAD IND. AREA, Ghaziabad.             | Lead bearing waste including battery waste       | 3000  | 1800   |
| 104  | M/s NEW DURGA ENTERPRISES, KH-109, SIKHERA ROAD, MODI NGR, Ghaziabad.          | Lead bearing waste including battery waste       | 300   | 180  |
| 105  | M/s SHRI BANKEY BIHARI METAL, 118, SIKHERA ROAD, MODI NAGAR, Ghaziabad.        | Lead bearing waste including battery waste       | 450   | 270  |
| 106  | M/s N.K. PRODUCTS, G-58 & 59, M.G. ROAD IND. AREA, Hapur.                      | Lead bearing waste including battery waste       | 600   | 360  |
| 107  | M/s PATEL INDUSTRIES, F-12, UDYOG KUNJ IND. AREA, Ghaziabad.                   | Lead bearing waste including battery waste       | 540   | 324  |
| 108  | M/s SHREE BALAJI INDUSTRIES, G-37, UDYOG KUNJ, DASNA, Ghaziabad.               | Lead bearing waste including battery waste       | 540   | 324  |
| 109  | M/s NEON PIGMENTS CORPN., KH-112, SIKHERA ROAD IND. AREA, MODI NGR, Ghaziabad. | Lead bearing waste including battery waste       | 7500  | 4500   |
| 110  | M/s VERDEEN CHEMICAL P LTD., D-11, M.G. ROAD IND. AREA, HAPUR                  | Lead bearing waste including battery waste       | 9000  | 5400   |
| 111  | M/s HINDUSTAN METALS, F-636, M.G. ROAD IND. AREA, Hapur.                       | Lead bearing waste including battery waste       | 2820  | 1692   |
| 112  | M/s GUPTA METAL WORKS,, C-1, S.S. OF G.T.RD., Ghaziabad.                       | Lead bearing waste including battery waste       | 3900  | 2340   |

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|------|---|--|---|--|
| 113  | M/s KAVITA OVERSEAS P LTD.(SUNSHIN, 56, PANDAV NAGAR, B.S. Road, Ghaziabad. | Lead bearing waste including battery waste       | 14000   | 8400   |
| 114  | M/s ELCON ALLOYS P LTDKH-252, 256, PARSON, HAPUR ROA                        | Brass Dross/Zinc/Copper Bearing Wastes           | 230   | 138.3  |
|      |   |  | 230   | 138.3  |
|      |   |  | 230   | 138.3  |
| 115  | M/s TRIDENT METAL CHEM P LTD.D-139 IND. AREA, B.S. ROAD.                    | Brass Dross/Zinc/Copper Bearing Wastes           | 400   | 240  |
|      |   |  | 400   | 240  |
|      |   |  | 400   | 240  |
| 116  | M/s VINAYAK TRANSCO LTDMAJ. ASHARAM TYAGI RD.MODINAGA                       | Brass Dross/Zinc/Copper Bearing Wastes           | 2500  | 1501.66  |
|      |   |  | 2500  | 1501.66  |
|      |   |  | 2500  | 1501.67  |
| 117  | M/s BALA JI METAL INDUSTRIESDAYAL VIHAR,SIKARA RD.MODI NGR                  | Brass Dross/Zinc/Copper Bearing Wastes           | 26.66   | 16.66  |
|      |   |  | 26.66   | 16.66  |
|      |   |  | 26.67   | 16.67  |
| 118  | M/s R.P.L. INDUSTRIES PVT. LTDC-12, SEC-22, MEERUT ROAD I.A.                | Brass Dross/Zinc/Copper Bearing Wastes           | 600   | 357.33   |
|      |   |  | 600   | 357.33   |
|      |   |  | 600   | 357.34   |
| 119  | M/s PARARA UDYOG,, F-195 & 196, M.G. ROAD IND. AREA, Hapur.                 | RE-CONDITIONING OF DURMS                         | 12000 Nos/Year  | 12   |
| 120  | M/s QUALITY DRUM RECONDITIONERS, E-65, S.S. OF G.T. RD. I.A., GZB.          | RE-CONDITIONING OF DURMS                         | 60000 Nos/Year  | 75   |
| 121  | M/s INDIAN DRUM RECONDITIONERS, E-46, S.S. OF G.T. ROAD, GZB.               | RE-CONDITIONING OF DURMS                         | 60000 Nos/Year  | 58   |
| 122  | M/s U.P. DRUM SUPPLY CO., F-193 & 194. M.G. ROAD IND. AREA, HAPUR.          | RE-CONDITIONING OF DURMS                         | 200000 Nos/Year   | 225  |

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| 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) |
|------|--|--|---|--|
| 123  | M/s SAI UDYOG, KH-1281, VILL& POST-MORTA, MEERUT ROAD, GZB.                                    | RE-CONDITIONING OF DURMS                         | 180000 Nos/Year   | 180  |
| 124  | M/s Bharat Oil Co. (I) Regd., E-18, Site-IV, Sahibabad Industrial Area, Ghaziabad.             | Collection, Segration & Dismantling of E Waste   | 4000  | 17.393   |
| 125  | M/s MAHA LAXMI METALLOYS(INDIA) P LTD., KH-92, 91/1 & 87, SIKHERA ROAD, MODI NAGAR, GHAZIABAD. | Collection, Segration & Dismantling of E Waste   | 600   | -  |
| 126  | M/s AUCTUS E-RECYCLING SOLUTION P LTD., , F-637-638, M.G .ROAD IND. AREA, HAPUR.               | RECYCLING OF E-WASTE                             | 1800  | -  |
| 127  | M/s N.K. PRODUCTS, 58, 59, M.G. Road Ind. Area, Hapur.   | Collection, Segration & Dismantling of E Waste   | 9000  | -  |
| 128  | M/s Platnet Green Recycling P Ltd., G-129, M.G. Road Ind. Area, Hapur.                         | Collection, Segration & Dismantling of E Waste   | 1500  | -  |
| 129  | M/s Rocket Sales, I-12, M.G. Road Ind. Area, Hapur.  | Collection, Segration & Dismantling of E Waste   | 300   | -  |
| 130  | M/s Arsh Recycling P Ltd., F-203, M.G. Road, Ind. Area, Hapur.                                 | Collection, Segration & Dismantling of E Waste   | 9000  | -  |
| 131  | M/s IFFCO LTD,Phulpur,Allahabad  | Spent Catalist,                                  | 197.6   | 197.6  |
| 132  | M/s Prayag Industries, Aamgondar, Shankargrah, Allahabad.                                      | Alluminium Dross recycler                        | 1200  | 1200   |
| 133  | M/s J. P. Cement (Blending Unit), Sadwa, Bara, Allahabad                                       | Waste Oil  | 0.976   | 0  |
| 134  | M/s AASHIANA CHEMICALS LTD, Rahasapur, Aung, Fatehpur  | Chrome containg Sludge                           | 300   | 300  |
| 135  | M/s AASHAMA CHEMICALS LTD, Rahasapur, Aung, Fatehpur   | Chrome containg Sludge                           | 135   | 135  |

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| 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) |
|------|--|--|---|--|
| 136  | M/s ASSOCIATE CHEMICALS, Rahasapur, Aung, Fatehpur   | Chrome containg Sludge                           | 39.6  | 39.6   |
| 137  | M/s ASSOCIATE PIGMENTS LTD, UPSIDC, Malwan, Fatehpur   | Lead Oxide Dust                                  | 144   | 0  |
| 138  | M/s FS CHEMICALS, UPSIDC, Malwan, Fatehpur   | Carbonic Residue, Distillation Residue           | 120   | 0  |
| 139  | M/s MADHU CHANDRA TECHNO CHEM. COMPLEX Gudhrauli Fatehpur                                    | Chrome containg Sludge                           | 600   | 600  |
| 140  | M/s A.R.Thermosets pvt ltd. Unil 2 upsidc malwan, Fatehpur                                   | Zinc Dust, ETP Sludge                            | 1.8   | 0  |
| 141  | M/s Seiko Chemical Pvt.Ltd. Amausi Nadarganj, Lucknow  | Used Oil   | 2400  | 8  |
| 142  | M/s Kathuriya Petro Products, D-3, site-2 unnao  | Used Oil   | 2400  | 2400   |
| 143  | M/s Chemico Technical, H-7, site-2 Unnao   | Lead ingot                                       | 120   | 120  |
| 144  | M/s Nabco Products Pvt.Ltd., E-11, UPSIDC, Ind.Area, site-1                                  | Lead scrap                                       | 420   | 420  |
| 145  | M/s Vinayak Metal Industries, G-16, Industrial area, site-1, Unnao                           | Lead scrap                                       | 192   | 192  |
| 146  | M/s Galaxy Poly Packers, P - 3, Industrial area, site-1, Unnao                               | Lead scrap                                       | 192   | 192  |
| 147  | M/s The Wester Industries, Plot no.-G-37, UPSIDC, Industrial Area, Phase-1, Sandila , Hardoi | Used Oil   | 4050  | 4050   |
| 148  | M/s Esha Industries, H-16, Industrial area, site-2, Unnao                                    | Lead ingot                                       | 180   | 180  |
| 149  | M/s Esha Industries, H-25, Industrial area, site-2, Unnao                                    | Lead Scrap                                       | 192   | 192  |

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| 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) |
|------|--|--|---|--|
| 150  | M/s Patel Battery & Solar System, H-20, site-2 Unnao                                   | Lead Scrap                                       | 180   | 180  |
| 151  | M/s Swastik Metkaim Pvt.Ltd, F-5, site-2 Unnao   | Lead Scrap                                       | 120   | 120  |
| 152  | M/s Metal Alloy, Industrial Area, Ramnagar, Chandauli.                                 | Aluminium Dross                                  | 540   | 540  |
|      |  | Zinc Bearing Wastes                              | 540   | 540  |
|      |  | Copper Bearing Waste                             | 108   | 108  |
|      |  | Lead bearing waste including battery waste       | 1500  | 1500   |
|      |  | E-waste  | 5   | 5  |
| 153  | M/s Balaji Lubricants, Ramnagar, Chandauli   | Used oil   | 900   | 900  |
| 154  | M/s Everest Lubes India, Village-Kaneta, Chandausi Road, Bahjoi, District-Sambhal.     | Used Oil   | 0.002   | 0.002  |
| 155  | M/s Hindalco Industries Ltd. Renukoot, Sonebhadra                                      | 11.6   | 448.832   | 448.832  |
| 156  | M/s S.K.I. Carbon Black India Pvt. Ltd. (Formaly HI-TECH Carbon Ltd.)Renukot Sonbhadra | 5.1  | 0.550   | 0.550  |
| 157  | M/s U N Metal Industries,Vill Rausaura,Maheva Ghat Mirzapur                            | 6.2  | 0.350   | 0.350  |
|      |  | 8.3  | 0.350   | 0.350  |
| 158  | M/s B K Brothers Lohandi Kala vindhyachal Mirzapur                                     | 6.2  | 72.00   | 72.00  |
|      |  | 8.3  | 36.00   | 36.00  |
| 159  | M/s Sundari Metal Udyog, Haura Kotvan Mirzapur   | 6.2  | 5.00  | 5.00   |
|      |  | 7.2  | 5.00  | 5.00   |
|      |  | 8.3  | 5.00  | 5.00   |
| 160  | M/s Agreesen metal works, Mirzapur   | 6.2  | 0.350   | 0.350  |
|      |  | 8.3  | 0.350   | 0.350  |
| 161  | M/s Heeralal Vinod Kumar Mirzapur  | 6.2  | 24.00   | 24.00  |

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| 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) |
|------|--|--|---|--|
|      |  | 8.3  | 24.00   | 24.00  |
| 162  | M/s Kunj Bihari Lal Radhey Shyam Danghar Nai Basti, Mirzapur.                    | 6.2  | 10.00   | 10.00  |
|      |  | 8.3  | 10.00   | 10.00  |
| 163  | M/s Mirzapur metal Associates, Mirzapur  | 6.2  | 2.300   | 2.300  |
|      |  | 7.3  | 2.300   | 2.300  |
|      |  | 11.5   | 2.300   | 2.300  |
| 164  | M/s M/s Suresh Nath satish kumar , Chandai pur, Mirzapur                         | 11.5   | 18.00   | 18.00  |
| 165  | M/s Mother Dairy Fruits and Vegetables Pvt. Ltd., Mainpuri Road, Vaidpura Safai. | Used Oil/ Spnt Oil - 2Kl Per Year                | 2.000   | 2.000  |
| 166  | M/s Ultratech Cement, Dalla, Sonbhadra   | Oily and Paint sludge waste                      | 1000  | 1000   |
| 167  | M/s Wasim Trading Co.bara  | empty HZ chemical drums                          | 60000 No.   | 300.000  |
| 168  | M/S Nisar Ahmad  | empty HZ chemical drums                          | 150000 No   | 750.000  |
| 169  | M/s Hindustan Unilever Ltd. A-1 , 2 UPSIDC Sumerpur, Hamirpur (U.P.)             | empty HZ chemical drums                          | 5000 No   | 25.000   |
| 170  | M/s Hindustan Unilever Ltd. (Unit-2) Sumerpur,Hamirpur (U.P.)                    | empty HZ chemical drums                          | Contaminated Barrels & Drums-5000 NOS/ Yr.                        | 25.000   |
| 171  | M/s Camphor & Allied Product Ltd. C.B.Ganj, Bareilly                             | empty HZ chemical drums                          | Empty Drums-1800 nos/year   | 9.000  |
| 172  | M/s Hindustan Media Ventures Ltd., Bareilly                                      | empty HZ chemical drums /Bucket                  | Drum/Bucket-3614 No.  | 18.070   |
| 173  | M/s A to Z Scrap, Shahtri Nagar, Bareilly  | empty HZ chemical drums                          | 600000 No   | 3000.000                                       |
| 174  | M/s Ramapati Agro Chemicals, Rosa, Shahjanpur                                    | empty HZ chemical drums                          | 20 no   | Unit Closed                                    |

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| 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) |
|------|---|--|---|--|
| 175  | M/s J.K. Chemicals Atsaliya, Shahjanpur (Pesticides Unit) | empty HZ chemical drums                          | 84 No.  | Unit Closed                                    |
| 176  | M/s Dhawan Metal Industries, Parsakhera, Bareilly         | Lead Slag/APCS dust-150 Kg/Day                   | 45.000  | 45.000   |
| 177  | M/s Vintek Metal Alloys, Parsakhera, Bareilly             | Lead Slag/APCS dust-150 Kg/Day                   | 45.000  | 45.000   |
| 178  | M/s Teva API India Ltd, Gajraula, Amroha.                 | Spent Solvent                                    | 40000.000   | 40000.000                                      |

**Table 30(h): Uttar Pradesh-Details of Hazardous waste disposed in Common TSDF(s)**

| 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 Pre-Processed for utilization (MT) | Quantity in Stock at the end of the year (MT) |             | Cumulative HW disposed in SLF by the end of financial year (MT) | Capacity           |                   |                 |
|------|---|---|-------------|--|------------------------------|------------------|---|-------------------------------------|----------------------|---|---|-------------|---|--------------------|-------------------|-----------------|
|      |   | Landfillable  | Incinerable | For Direct landfill                        | For Landfill after treatment | For Incineration | Quantity Landfilled directly              | Quantity Landfilled after treatment | Quantity Incinerated |   | Landfillable                                  | Incinerable |   | Incinerator (KCal) | Incinerator (T/H) | Landfill (MT/A) |
| 1    | M/s Uttar Pradesh Waste Management Projects Plot No. 672, on NH-2, Sikandra Road, Village-Kumbh, Tehsil-Akbarpur Dist:-Kanpur Dehat-209101 (UP) | Nil   | 55.85       | 4687.247                                   | 28178.68                     | 656.915          | 4687.24                                   | 28178.68                            | 5765.0               | Nil   | Nil   | 347.717     | 32865.92  | 5500               | 2                 | 50000           |

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|              |   |             |               |                |                 |                 |                |                |                |          |               |                |                 |             |             |              |
|--------------|---|-------------|---------------|----------------|-----------------|-----------------|----------------|----------------|----------------|----------|---------------|----------------|-----------------|-------------|-------------|--------------|
| 2            | Bharat Oil & Waste Management Ltd. Gata No.672, Kumbhi Akbarpur Kanpur Dehat    | 36.62       | 1180.9        | 9244.705       | 5941.325        | 4657.356        | 9244.70        | 5915.725       | 5075           | 0        | 62.225        | 763.271        | 0               | 0           | 2           | 20000        |
| 3            | Industrial Infrastructre Survices (India) Ltd, LTP Banthar, Unnao               | 0           | 0             | 8812           | 0               | 0               | 8812           | 0              | 0              | 0        | 0             | 0              | 76145           | 0           | 0           | 15000        |
| 4            | Bharat oil company (India) Regd.,E-18, site-IV, Sahibabad, Ind. Area, Ghaziabad | 0           | 0             | 0              | 0               | 847.624         | 0              | 0              | 847.62         | 0        | 0             | 0              | 0               | 0           | 0.25        |              |
| <b>Total</b> |   | <b>36.6</b> | <b>1236.7</b> | <b>22743.9</b> | <b>34120.00</b> | <b>11561.89</b> | <b>22743.9</b> | <b>34094.4</b> | <b>11687.6</b> | <b>0</b> | <b>62.225</b> | <b>1110.98</b> | <b>109010.9</b> | <b>5500</b> | <b>4.25</b> | <b>85000</b> |

**Table 30(i): Uttar Pradesh-Details of Hazardous waste disposed in Captive TSDF(s)**

| S. No. | Name and Address of Captive facility | Type of facility (landfillable/Incinerable/both) | Capacity          |                 | HW disposed during the year | Cumulative HW disposed till the end of financial year |
|--------|--------------------------------------|--|-------------------|-----------------|-----------------------------|---|
|        |                                      |  | Incinerator (T/H) | Landfill( MT/A) |                             |   |
| 1      | M/s Jubilant Lifescience, Amroha     | Both   | INP               | INP             | 3169.65                     | INP   |

**INP:** Information Not Provided



**31.**  
**UTTARAKHAND**  
**(Hazardous waste generation and its Management)**

**Table 31(a): Uttarakhand-Details of Hazardous waste Generation**

| S.No | Name of the District | Number of HW Generating Industry | Authorized Quantity of Hazardous Waste (Metric Tonne) |                |                 |               | *Quantity of Hazardous Waste generated as per Annual Return within the State/UT (Metric Tonne) |                |                |                | Quantity of HW imported during the year (Metric Tonne) | Quantity of HW exported during the year (Metric Tonne) |
|------|----------------------|----------------------------------|---|----------------|-----------------|---------------|--|----------------|----------------|----------------|--|--|
|      |                      |                                  | Landfillable  | Incinerable    | Recyclable      | Utilizable    | Landfillable   | Incinerable    | Recyclable     | Utilizable     |  |  |
|      |                      |                                  | 1   | 2              | 3               | 4             | 5  | 6              | 7              | 8              |  |  |
| 1    | Nainital             | 165                              | 3.61  | 3.61           | 11.82           | 10            | 0.19   | 0.94           | 9.7            | 0              | 0  | 0  |
| 2    | Almora               | 49                               | 0   | 0              | 1.91            | 0             | 0  | 0              | 0              | 0              | 0  | 0  |
| 3    | Pithorgrahar         | 8                                | 0   | 0              | 0.23            | 0             | 0  | 0              | 0              | 0              | 0  | 0  |
| 4    | Bageshwar            | 20                               | 0   | 0              | 0.99            | 0             | 0  | 0              | 0              | 0              | 0  | 0  |
| 5    | Champawat            | 12                               | 0   | 0              | 0.21            | 0             | 0  | 0              | 0              | 0              | 0  | 0  |
| 6    | Dehradun             | 154                              | 520.9   | 78.47          | 69.01           | 0             | 252.45   | 55.73          | 20.24          | 0              | 0  | 0  |
| 7    | Pauri                | 46                               | 6.72  | 0              | 10.13           | 0             | 3.95   | 0              | 1.85           | 0              | 0  | 0  |
| 8    | Tehri                | 25                               | 0.3   | 0              | 9.27            | 0             | 0  | 0              | 4.14           | 0              | 0  | 0  |
| 9    | Chamoli              | 16                               | 0   | 0              | 4.77            | 0             | 0  | 0              | 3.65           | 0              | 0  | 0  |
| 10   | Rudrapur             | 6                                | 0   | 0              | 0.43            | 0             | 0  | 0              | 2.3            | 0              | 0  | 0  |
| 11   | Uttarkashi           | 4                                | 0   | 0              | 0.4             | 0             | 0  | 0              | 0.1            | 0              | 0  | 0  |
| 12   | U.S. Nagar           | 1050                             | 5688.66   | 4008.27        | 10728.58        | 2334.2        | 2207.35  | 1721.41        | 9806.02        | 1945.15        | 0  | 0  |
| 13   | Haridwar             | 2144                             | 9793.84   | 2478.81        | 13162.13        | 522.5         | 2037.6   | 1413.38        | 1088.4         | 332.9          | 0  | 0  |
|      | <b>Total</b>         | <b>3699</b>                      | <b>16014.03</b>                                       | <b>6569.16</b> | <b>23999.88</b> | <b>2866.7</b> | <b>4501.54</b>   | <b>3191.46</b> | <b>10936.4</b> | <b>2278.05</b> | <b>0</b>   | <b>0</b>   |

**Table 31(b): Uttarakhand- 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      | Quantity sent (MT) |
|        |   |  | 12                     |  | 13                 |
| 1      | For disposal at common secured landfill                 | NIL  | NIL                    | NIL                                    | NIL                |
| 2      | For disposal at common Incinerator                      | NIL  | NIL                    | NIL                                    | NIL                |
| 3      | For recycling by Schedule IV recyclers                  | NIL  | NIL                    | Rajasthan                              | 50                 |
|        |   |  |                        | U.P                                    | 513.702            |
| 4      | For utilization in co-processing (cement plants)        | NIL  | NIL                    | Rajasthan                              | 1025.97            |
| 5      | For utilization under Rule 9 (other than co-processing) | NIL  | NIL                    | Rajasthan, Maharashtra                 | 7756.14            |

**Table 31(c): Uttarakhand-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 Kiln | Other than co-processing | Captive Utilization(Other than column 15 & 16) |  | Co-processing in Cement Kiln | Under Rule 9 other than co-processing | Captive Utilization(Other than column 19 & 20) |
|      |                      |  |                              |                          |  |  |                              |                                       |  |
| 1    | Nainital             | 0  | 0                            | 0                        | 9.7  | 0  | 0                            | 0                                     | 0  |
| 2    | Almora               | 0  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 3    | Pithogragarh         | 0  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 4    | Bageshwar            | 0  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 5    | Champawat            | 0  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 6    | Dehradun             | 9.57   | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |

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| 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 Kiln | Other than co-processing | Captive Utilization(other than coloumn 15 & 16) |  | Co-processing in Cement Kiln | Under Rule 9 other than co-processing | Captive Utilization(ot her than coloumn 19 & 20) |
| 14   | 15                   | 16   | 17                           | 18                       | 19  | 20   | 21                           |                                       |  |
| 7    | Pauri                | 2.9  | 0                            | 0                        | 0   | 0  | 0                            | 0                                     |  |
| 8    | Tehri                | 0  | 0                            | 0                        | 0   | 0  | 0                            | 0                                     |  |
| 9    | Chamoli              | 2.27   | 0                            | 0                        | 0   | 0  | 0                            | 0                                     |  |
| 10   | Rudraparyag          | 0  | 0                            | 0                        | 0   | 0  | 0                            | 0                                     |  |
| 11   | Uttarkashi           | 0  | 0                            | 0                        | 0   | 0  | 0                            | 0                                     |  |
| 12   | U.S. Nagar           | 9806.2   | 279.506                      | 0                        | 0   | 0  | 0                            | 0                                     |  |
| 13   | Haridwar             | 1079.6   | 0                            | 0                        | 0   | 0  | 0                            | 0                                     |  |
|      | <b>Total</b>         | <b>10900.54</b>  | <b>279.506</b>               | <b>0</b>                 | <b>9.7</b>                                      | <b>0</b>   | <b>0</b>                     | <b>0</b>                              |  |

**Table 31(d): Uttrakhand-Details on Hazardous Waste Disposed**

| S.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 Secured Landfill (MT)                 |          | Quantity Disposed through Incinerator (MT) |         |
|       |                      | Common  | Captive       | Common                                     | Captive     | Common   | Captive  | Common                                     | Captive |
|       |                      | 22  | 23            | 24   | 25          | 26   | 27       | 28   | 29      |
| 1     | Nainital             | 0.19  | 0             | 0.94                                       | 0           | 0  | 0        | 0  |         |
| 2     | Almora               | 0   | 0             | 0  | 0           | 0  | 0        | 0  |         |
| 3     | Pithogragarh         | 0   | 0             | 0  | 0           | 0  | 0        | 0  |         |
| 4     | Bageshwar            | 0   | 0             | 0  | 0           | 0  | 0        | 0  |         |
| 5     | Champawat            | 0   | 0             | 0  | 0           | 0  | 0        | 0  |         |
| 6     | Dehradun             | 225.53  | 0             | 43.44                                      | 0           | 0  | 0        | 0  |         |
| 7     | Pauri                | 2.9   | 0             | 0  | 0           | 0  | 0        | 0  |         |
| 8     | Tehri                | 0   | 0             | 0  | 0           | 0  | 0        | 0  |         |
| 9     | Chamoli              | 2.27  | 0             | 0  | 0           | 0  | 0        | 0  |         |
| 10    | Rudraparyag          | 0   | 0             | 0  | 0           | 0  | 0        | 0  |         |
| 11    | Uttarkashi           | 0   | 0             | 0  | 0           | 0  | 0        | 0  |         |
| 12    | U.S. Nagar           | 2207.35   | 0             | 1673.78                                    | 0           | 0  | 0        | 0  |         |
| 13    | Haridwar             | 2444.9  | 98.048        | 1407.1                                     | 18.1        | 0  | 0        | 0  |         |
|       | <b>Total</b>         | <b>4883.14</b>  | <b>98.048</b> | <b>3125.26</b>                             | <b>18.1</b> | <b>0</b>   | <b>0</b> | <b>0</b>                                   |         |

**Table 31(e): Uttrakhand-Details on Hazardous Waste Stored at Occupier Premises**

| S.No. | Name of the District | Total Quantity of HW stored at Occupier premises at the beginning of the financial year i.e. 01.04.2017 (MT) |              |              |            | Total Quantity of HW stored at Occupier premises during the financial year i.e. 1st April to 31st March 2018 (MT) |              |                |               |
|-------|----------------------|--|--------------|--------------|------------|---|--------------|----------------|---------------|
|       |                      | Landfillable   | Incinerable  | Recyclable   | Utilizable | Landfillable  | Incinerable  | Recyclable     | Utilizable    |
|       |                      | 30   | 31           | 32           | 33         | 34  | 35           | 36             | 37            |
| 1     | Nainital             | 0  | 0            | 18.03        | 0          | 0   | 0            | 18.03          | 0             |
| 2     | Almora               | 0  | 0            | 1.91         | 0          | 0   | 0            | 1.91           | 0             |
| 3     | Pithogragarh         | 0  | 0            | 0.99         | 0          | 0   | 0            | 0.99           | 0             |
| 4     | Bageshwar            | 0  | 0            | 0.23         | 0          | 0   | 0            | 0.23           | 0             |
| 5     | Champawat            | 0  | 0            | 0.21         | 0          | 0   | 0            | 0.21           | 0             |
| 6     | Dehradun             | 0  | 0            | 0            | 0          | 26.28   | 12.28        | 5.2            | 0             |
| 7     | Pauri                | 0  | 0            | 0            | 0          | 3.95  | 0            | 1.85           | 0             |
| 8     | Tehri                | 0  | 0            | 0            | 0          | 0   | 0            | 1.87           | 0             |
| 9     | Chamoli              | 2.27   | 0            | 0            | 0          | 0   | 0            | 0.75           | 0             |
| 10    | Rudraparyag          | 0  | 0            | 0            | 0          | 0   | 0            | 0.23           | 0             |
| 11    | Uttarkashi           | 0  | 0            | 0            | 0          | 0   | 0            | 0.1            | 0             |
| 12    | U.S. Nagar           | 0  | 0            | 27.45        | 0          | 123.68  | 47.63        | 1557.1         | 1998.5        |
| 13    | Haridwar             | 2.44   | 13.48        | 6.07         | 0          | 0.79  | 1.22         | 14.87          | 0             |
|       | <b>Total</b>         | <b>4.71</b>  | <b>13.48</b> | <b>54.89</b> | <b>0</b>   | <b>154.7</b>  | <b>61.13</b> | <b>1603.34</b> | <b>1998.5</b> |
|       |                      |  |              |              |            |   |              |                |               |

**Table 31(f): Uttrakhand-Details on Recycling / Utilization/Co-Processing of Hazardous Waste**

| Sr. No.  | Type of Recycling Facilities   | Total No. of Facilities authorizaed for recycling / Utilization / co-processing of HW | Total Authorized Capacity (MTA) | Total Quantity Recycled/ Utilized / Co-prcoessed (MT) |
|----------|--|---|---------------------------------|---|
| <b>A</b> | <b>Commonly recyclable HW</b>  |   |                                 |   |
| 1.       | Zinc Bearing Waste   | 1   | -                               | 7498.92   |
| 2.       | Lead bearing waste including battery waste   | 4   | 58200                           | 1079.6  |
| 3.       | E-waste  | 5   | 20430                           | -   |
| 4.       | Used Oil   | 5   | 2800                            | 708.12  |
| 5.       | Waste Oil  | 0   | -                               | -   |
|          | <b>Total</b>   | <b>15</b>   | <b>81430</b>                    | <b>9286.64</b>  |
| <b>B</b> | <b>Utilization of HW under Rule 9</b>  |   |                                 |   |
|          | Utilization of Sepnt Catalyst - to recover - Platinum, Iridium, Osmium, Palladium, Rhodium, Ruthium, Rhenium, Gold & Silver              | 1   | -                               | 52.23   |
|          | Utilization of Spent Acid containing Molybdenum generated from filament industires for producing Molybdenum Trioxide by heating process. | 1   | 0                               | 204.99  |
|          | De-contamination of contaminated drums/ containers / barrels   | 1   | 15000                           | 10 MTA  |
|          | <b>Total</b>   | <b>3</b>  | <b>15000</b>                    | <b>257.22</b>   |
| <b>C</b> | <b>Co-processing in Cement Plants</b>  | <b>1</b>  | <b>1025.97</b>                  | <b>693.07</b>   |

**Table 31(g): Uttrakhand-List of Authorized Recyclers/ Utilizers/Co-processors of Hazardous Waste**

| 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) |
|------|--|--|---|--|
| 1    | M/s Global Environmental Solution,<br>Vill. Lambakhera, Tehsil-Gadarpur, Dist. US Nagar              | Used Oil/Waste Oil                               | 2800 MT/Month   | 72.64 MT                                       |
|      |  | Used Empty Barrels                               | 12500 Nos./Month  |  |
| 2    | M/s Vimal Petrothin Pvt. Ltd.<br>IP-15A, Raipur Sahakari Audhyogic Kshetra,<br>Raipur, Dist. Roorkee | lead bearing residue and lead acid batteries     | 24900   | 9594   |
| 3    | M/s Tanya Engineers<br>Khasra No. 204, Raipur Industrial Area<br>Bhagwanpur, Dist. Roorkee           | lead bearing residue and lead acid batteries     | 4800  | 523.37   |
| 4    | M/s Jay Ace Technologies Ltd.,<br>Khasra No. 92 to 95, Raipur Industrial Area,<br>Dist- Roorkee      | lead bearing residue and lead acid batteries     | 24000   | Nil  |
| 5    | M/s Shahid Metal Alloys,<br>Khasra No. 353, Raipur Industrial Area,<br>Bhagwanpur, Dist. Roorkee     | lead bearing residue and lead acid batteries     | 4500  | 1083.9   |
| 6    | M/s Aterro Recycling Pvt. Ltd. Raipur,<br>Bhagwanpur   | E-Waste  | 12000   | 1950   |
| 7    | M/s Bharat Oil Waste Management Laksar   | E-Waste  | 375   | 42.6   |
| 8    | M/s Resance E-Waste Solution F-97<br>Bahadrabad  | E-Waste  | 6000  | 199.88   |
| 9    | M/s Scarto Metal Recycle Pvt.  | E-Waste  | 996   | 349  |
| 10   | M/s Anmol Rana, Banjarwala   | E-Waste  | 600   | 1492   |



Table 31(h): Uttarakhand-Details of Hazardous waste disposed in Common TSDF(s)

| 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 Pre-Processed for utilization (MT) | Quantity in Stock at the end of the year (MT) |             | Cumulative HW disposed in SLF by the end of financial year (MT) | Capacity           |                   |                 |
|------|--|---|-------------|--|------------------------------|------------------|---|-------------------------------------|----------------------|---|---|-------------|---|--------------------|-------------------|-----------------|
|      |  | Landfillable  | Incinerable | For Direct landfill                        | For Landfill after treatment | For Incineration | Quantity Landfilled directly              | Quantity Landfilled after treatment | Quantity Incinerated |   | Landfillable                                  | Incinerable |   | Incinerator (KCal) | Incinerator (T/H) | Landfill (MT/A) |
| 1    | M/s Bharat Oil and Waste Management Ltd., Mauza Mukimpur, Laksar Road, Roorkee | 0   | 56.61       | 4174.6                                     | 862.47                       | 3252.18          | 4174.62                                   | 862.474                             | 3222.92              | 0   | 0   | 29.26       | 33921.4   | 500000             | 1.66              | 8000            |

Table 31(i): Uttarakhand-Details of Hazardous waste disposed in Captive TSDF(s)

| S. No. | Name and Address of Captive facility                     | Type of facility (landfillable/Incinerable/both) | Capacity          |                 | HW disposed during the year | Cumulative HW disposed till the end of financial year |
|--------|--|--|-------------------|-----------------|-----------------------------|---|
|        |  |  | Incinerator (T/H) | Landfill( MT/A) |                             |   |
| 1      | M/s Hero Motocorp, Plot No., 3, Sector 10, IIE, Haridwar | Both   | 0.139             | 733             | 116.548                     | 924.852   |

# **32.**

## **WEST BENGAL**

### **(Hazardous waste generation and its Management)**

Table 32(a): West Bengal-Details of Hazardous waste Generation

| S.No | Name of the District | Number of HW Generating Industry | Authorized Quantity of Hazardous Waste (Metric Tonne) |             |            |            | *Quantity of Hazardous Waste generated as per Annual Return within the State/UT (Metric Tonne) |             |            |            | Quantity of HW imported during the year (Metric Tonne) | Quantity of HW exported during the year (Metric Tonne) |
|------|----------------------|----------------------------------|---|-------------|------------|------------|--|-------------|------------|------------|--|--|
|      |                      |                                  | Landfillable  | Incinerable | Recyclable | Utilizable | Landfillable   | Incinerable | Recyclable | Utilizable |  |  |
|      |                      |                                  | 1   | 2           | 3          | 4          | 5  | 6           | 7          | 8          |  |  |
| 1    | 24 Parganss North    | 159                              | 590.48  | 193.63      | 6379.6     | 1020       | 245.5  | 84.96       | 5079.45    | 1259.21    | 0  | 0  |
| 2    | 25 Parganss South    | 122                              | 2176.83   | 2378.37     | 490.7      | 0          | 1665.66  | 553.35      | 484.59     | 54         | 0  | 0  |
| 3    | Alipurduar           | 2                                | 0   | 0.51        | 1.5        | 0          | 0  | 3.04        | 0          | 0          | 0  | 0  |
| 4    | Bankura              | 12                               | 0   | 23.3        | 57.66      | 0          | 0  | 52.74       | 51.45      | 0          | 0  | 0  |
| 5    | Birbhum              | 3                                | 0   | 6.2         | 71         | 0          | 4.43   | 40.95       | 0          | 0          | 0  | 0  |
| 6    | Burdwan              | 72                               | 243.5   | 110.23      | 527.1      | 61767      | 835.91   | 48.47       | 518.25     | 47074.1    | 0  | 0  |
| 7    | Coochbehar           | 5                                | 0.12  | 0           | 0          | 0          | 0.07   | 0           | 0          | 0          | 0  | 0  |
| 8    | Darjeeling           | 14                               | 0.67  | 3.16        | 105.7      | 0          | 0  | 0.12        | 1.21       | 0          | 0  | 0  |
| 9    | Hoogly               | 72                               | 9911.91   | 130.92      | 2992.83    | 0          | 10561.22   | 40.79       | 2275.85    | 25.36      | 556.19   | 0  |
| 10   | Howrah               | 246                              | 3936.04   | 1002.57     | 19656.96   | 2254.87    | 7840.57  | 170.86      | 7730.84    | 521.69     | 15580.21   | 0  |
| 11   | Jalpaiguri           | 22                               | 459.62  | 1.5         | 519.91     | 0          | 25.02  | 1.31        | 43.99      | 0          | 0  | 0  |
| 12   | Kolkata              | 190                              | 631.35  | 562.52      | 1229.8     | 1.8        | 675.27   | 448.39      | 794.73     | 18.39      | 0  | 0  |
| 13   | Malda                | 5                                | 7.2   | 3.58        | 5.4        | 0          | 5.13   | 0           | 1600       | 0          | 0  | 0  |
| 14   | E. Midnapore         | 37                               | 32026.53  | 4880.8      | 3012.99    | 0          | 24354.28   | 4031.87     | 1582.77    | 0          | 7249   | 0  |
| 15   | W.                   | 36                               | 1743.59   | 403.51      | 7936.32    | 609        | 191.89   | 714.56      | 2521.08    | 672.57     | 0  | 0  |

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| S.No | Name of the District | Number of HW Generating Industry | Authorized Quantity of Hazardous Waste (Metric Tonne) |                |                 |                | *Quantity of Hazardous Waste generated as per Annual Return within the State/UT (Metric Tonne) |                |                 |                | Quantity of HW imported during the year (Metric Tonne) | Quantity of HW exported during the year (Metric Tonne) |
|------|----------------------|----------------------------------|---|----------------|-----------------|----------------|--|----------------|-----------------|----------------|--|--|
|      |                      |                                  | Landfillable  | Incinerable    | Recyclable      | Utilizable     | Landfillable   | Incinerable    | Recyclable      | Utilizable     |  |  |
|      |                      |                                  | 1   | 2              | 3               | 4              | 5  | 6              | 7               | 8              |  |  |
|      | Midnapore            |                                  |   |                |                 |                |  |                |                 |                |  |  |
| 16   | Murshidabad          | 6                                | 3.1   | 4.1            | 328.3           | 0              | 3  | 4.14           | 102.64          | 0              | 0  | 0  |
| 17   | Nadia                | 32                               | 1264.98   | 247.45         | 5164.83         | 1464           | 474.41   | 77.85          | 953.47          | 1.21           | 0  | 0  |
| 18   | Purulia              | 8                                | 15.06   | 6.5            | 84.06           | 0              | 3.5  | 8.13           | 38.91           | 0              | 0  | 0  |
| 19   | Uttar Dinajpur       | 1                                | 0   | 0.51           | 0               | 0              | 0  | 0              | 0               | 0              | 0  | 0  |
|      | <b>Total</b>         | <b>1044</b>                      | <b>53010.98</b>                                       | <b>9959.36</b> | <b>48564.66</b> | <b>67116.7</b> | <b>46885.86</b>  | <b>6281.53</b> | <b>23779.23</b> | <b>49626.5</b> | <b>23385.4</b>   | <b>0</b>   |

**Table 32(b): West Bengal- 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      | Quantity sent (MT) |
|        |   |  | 12                     |  | 13                 |
| 1      | For disposal at common secured landfill                 | NIL  | NIL                    | NIL                                    | NIL                |
| 2      | For disposal at common Incinerator                      | Sikkim                                       | 1050.85                | NIL                                    | NIL                |
| 3      | For recycling by Schedule IV recyclers                  | NIL  | NIL                    | NIL                                    | NIL                |
| 4      | For utilization in co-processing (cement plants)        | NIL  | NIL                    | NIL                                    | NIL                |
| 5      | For utilization under Rule 9 (other than co-processing) | NIL  | NIL                    | NIL                                    | NIL                |

Table 32(c): West Bengal-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 Kiln | Other than co-processing | Captive Utilization(ot her than coloumn 15 & 16) |  | Co-processing in Cement Kiln | Under Rule 9 other than co-processing | Captive Utilization(ot her than coloumn 19 & 20) |
|      |                      |  |                              |                          |  |  |                              |                                       |  |
| 1    | 24 Parganss North    | 183.29   | 0                            | 0                        | 1259.13  | 0  | 0                            | 0                                     | 0  |
| 2    | 25 Parganss South    | 6808.68  | 0                            | 0                        | 41.96  | 0  | 0                            | 0                                     | 0  |
| 3    | Alipurduar           | 0  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 4    | Bankura              | 0  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 5    | Birbhum              | 0  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 6    | Burdwan              | 0  | 0                            | 0                        | 24052.21   | 0  | 0                            | 0                                     | 0  |
| 7    | Coochbehar           | 0  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 8    | Darjeeling           | 0  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 9    | Hoogly               | 5273.74  | 0                            | 0                        | 518.63   | 0  | 0                            | 0                                     | 0  |
| 10   | Howrah               | 24806.98   | 0                            | 0                        | 480.67   | 0  | 0                            | 0                                     | 0  |
| 11   | Jalpaiguri           | 121.26   | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 12   | Kolkata              | 1281.64  | 0                            | 0                        | 18.44  | 0  | 0                            | 0                                     | 0  |
| 13   | Malda                | 0  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 14   | E. Midnapore         | 14312  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 15   | W. Midnapore         | 240.19   | 0                            | 0                        | 714.26   | 0  | 0                            | 0                                     | 0  |
| 16   | Murshidabad          | 0  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 17   | Nadia                | 140.74   | 0                            | 0                        | 1.25   | 0  | 0                            | 0                                     | 0  |

| 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 Kiln | Other than co-processing | Captive Utilization(Other than column 15 & 16) |  | Co-processing in Cement Kiln | Under Rule 9 other than co-processing | Captive Utilization(Other than column 19 & 20) |
|      |                      |  |                              |                          |  |  |                              |                                       |  |
| 18   | Purulia              | 0  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
| 19   | Uttar Dinajpur       | 0  | 0                            | 0                        | 0  | 0  | 0                            | 0                                     | 0  |
|      | <b>Total</b>         | <b>53168.52</b>  | <b>0</b>                     | <b>0</b>                 | <b>27086.55</b>                                | <b>0</b>   | <b>0</b>                     | <b>0</b>                              | <b>0</b>                                       |

Table 32(d): West Bengal-Details on Hazardous Waste Disposed

| S.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 Secured Landfill (MT)                 |         | Quantity Disposed through Incinerator (MT) |         |
|       |                      | Common  | Captive | Common                                     | Captive | Common   | Captive | Common                                     | Captive |
|       |                      | 22  | 23      | 24   | 25      | 26   | 27      | 28   | 29      |
| 1     | 24 Parganss North    | 86.58   | 0       | 76.48                                      | 0       | 0  | 0       | 0  |         |
| 2     | 25 Parganss South    | 1662.1  | 0       | 46.58                                      | 216.04  | 0  | 0       | 0  |         |
| 3     | Alipurduar           | 0   | 0       | 0.55                                       | 0       | 0  | 0       | 0  |         |
| 4     | Bankura              | 0   | 0       | 52.17                                      | 0       | 0  | 0       | 0  |         |
| 5     | Birbhum              | 0   | 0       | 6.88                                       | 0       | 0  | 0       | 0  |         |
| 6     | Burdwan              | 800.65  | 0       | 69.98                                      | 0       | 0  | 0       | 0  |         |
| 7     | Coochbehar           | 0   | 0       | 0  | 0       | 0  | 0       | 0  |         |
| 8     | Darjeeling           | 0   | 0       | 0.05                                       | 0       | 0  | 0       | 0  |         |
| 9     | Hoogly               | 10907.01  | 0       | 50.81                                      | 0       | 0  | 0       | 0  |         |

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| S.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 Secured Landfill (MT)                 |          | Quantity Disposed through Incinerator (MT) |         |
|       |                      | Common  | Captive  | Common                                     | Captive       | Common   | Captive  | Common                                     | Captive |
|       |                      | 22  | 23       | 24   | 25            | 26   | 27       | 28   | 29      |
| 10    | Howrah               | 7590.75   | 0        | 150.79                                     | 0             | 0  | 0        | 0  |         |
| 11    | Jalpaiguri           | 14.77   | 0        | 3.41                                       | 0             | 0  | 0        | 0  |         |
| 12    | Kolkata              | 543.62  | 0        | 247.68                                     | 0             | 0  | 0        | 0  |         |
| 13    | Malda                | 0   | 0        | 92.59                                      | 0             | 0  | 0        | 0  |         |
| 14    | E. Midnapore         | 25462.7   | 0        | 3232.04                                    | 165.39        | 0  | 0        | 1050.85                                    |         |
| 15    | W. Midnapore         | 194.89  | 0        | 686.53                                     | 0             | 0  | 0        | 0  |         |
| 16    | Murshidabad          | 3   | 0        | 0.1  | 0             | 0  | 0        | 0  |         |
| 17    | Nadia                | 402.94  | 0        | 32.81                                      | 1.19          | 0  | 0        | 0  |         |
| 18    | Purulia              | 6.13  | 0        | 1.24                                       | 0             | 0  | 0        | 0  |         |
| 19    | Uttar Dinajpur       |   | 0        | 0  | 0             | 0  | 0        | 0  |         |
|       | <b>Total</b>         | <b>47675.14</b>   | <b>0</b> | <b>4750.69</b>                             | <b>382.62</b> | <b>0</b>   | <b>0</b> | <b>1050.85</b>                             |         |

**Table 32(e): West Bengal-Details on Hazardous Waste Stored at Occupier Premises**

| S.No. | Name of the District | Total Quantity of HW stored at Occupier premises at the beginning of the financial year i.e. 01.04.2017 (MT) |               |                |                | Total Quantity of HW stored at Occupier premises during the financial year i.e. 1st April to 31st March 2018 (MT) |                |                |                 |
|-------|----------------------|--|---------------|----------------|----------------|---|----------------|----------------|-----------------|
|       |                      | Landfillable   | Incinerable   | Recyclable     | Utilizable     | Landfillable  | Incinerable    | Recyclable     | Utilizable      |
|       |                      | 30   | 31            | 32             | 33             | 34  | 35             | 36             | 37              |
| 1     | 24 Parganss North    | 488.1  | 31.32         | 1121.73        | 0.35           | 647.02  | 39.8           | 404.73         | 0.43            |
| 2     | 25 Parganss South    | 129.47   | 165.42        | 4163.55        | 13.11          | 133.03  | 456.15         | 647.39         | 25.15           |
| 3     | Alipurduar           | 0  | 3.44          | 0              | 0              | 0   | 5.93           | 0              | 0               |
| 4     | Bankura              | 0  | 72.72         | 277.11         | 0              | 0   | 73.27          | 293.73         | 0               |
| 5     | Birbhum              | 0  | 8.59          | 77.26          | 0              | 0   | 6.14           | 47.72          | 0               |
| 6     | Burdwan              | 31.81  | 53.6          | 60.01          | 2571.81        | 67.07   | 32.09          | 111.92         | 25593.7         |
| 7     | Coochbehar           | 0.18   | 0             | 0              | 0              | 0.25  | 0              | 0              | 0               |
| 8     | Darjeeling           | 0  | 0.01          | 0.03           | 0              | 0   | 0.08           | 0.24           | 0               |
| 9     | Hoogly               | 1144.5   | 34.77         | 381.46         | 609.51         | 798.71  | 24.75          | 648.18         | 116.24          |
| 10    | Howrah               | 475.23   | 34.33         | 1474.04        | 35.44          | 725.05  | 54.4           | 774.14         | 76.46           |
| 11    | Jalpaiguri           | 269.16   | 2.11          | 60.06          | 0              | 279.41  | 0              | 82.76          | 0               |
| 12    | Kolkata              | 237.12   | 82.24         | 238.76         | 4.4            | 368.77  | 282.95         | 94.84          | 4.35            |
| 13    | Malda                | 6.68   | 92.59         | 0.34           | 0              | 11.81   | 0              | 0.34           | 0               |
| 14    | E. Midnapore         | 1931.12  | 182.08        | 493.43         | 0              | 822.7   | 816.52         | 706.91         | 0               |
| 15    | W. Midnapore         | 12.68  | 56.69         | 194.53         | 112.37         | 9.68  | 84.72          | 202.43         | 70.68           |
| 16    | Murshidabad          | 0  | 0.1           | 41.65          | 0              | 0   | 4.14           | 71.98          | 0               |
| 17    | Nadia                | 138.86   | 9.24          | 159.97         | 0.5            | 210.33  | 54.28          | 190.67         | 0.46            |
| 18    | Purulia              | 2.73   | 440.35        | 39.71          | 0              | 0.16  | 447.24         | 75.5           | 0               |
| 19    | Uttar Dinajpur       | 0  | 0             | 0              | 0              | 0   | 0              | 0              | 0               |
|       | <b>Total</b>         | <b>4867.64</b>   | <b>1269.6</b> | <b>8783.64</b> | <b>3347.49</b> | <b>4073.99</b>  | <b>2382.46</b> | <b>4353.48</b> | <b>25887.47</b> |



**Table 32(f): West Bengal-Details on Recycling / Utilization/Co-Processing of Hazardous Waste**

| Sr. No.   | Type of Recycling Facilities   | Total No. of Facilities authorizaed for recycling / Utilization / co-processing of HW | Total Authorized Capacity (MTA) | Total Quantity Recycled/ Utilized / Co-procoessed (MT) |
|-----------|--|---|---------------------------------|--|
| <b>A</b>  | <b>Commonly recyclable HW</b>  |   |                                 |  |
| <b>1</b>  | Brass Dross  | 1   | 180                             | 0  |
| <b>2</b>  | Zinc Bearing Wastes  | 25  | 42869                           | 15886.83   |
| <b>3</b>  | Copper Bearing Waste   | 8   | 91634                           | 440.37   |
| <b>4</b>  | Spent Catalyst containign nickel, cadmium, Zinc, copper, arsenic, vanadium and cobatt.   | 2   | 4592                            | 523.51   |
| <b>5</b>  | Lead bearing waste including battery waste   | 56  | 124006                          | 26651.1  |
| <b>8</b>  | Used Oil   | 11  | 27992                           | 9666.4   |
| <b>9</b>  | Waste Oil  |   | 73950                           |  |
|           | <b>Total</b>   | <b>103</b>  | <b>365223</b>                   | <b>53168.21</b>  |
| <b>B</b>  | <b>Utilization of HW under Rule 9</b>  |   |                                 |  |
| <b>1</b>  | Recovery of solvents from spent solvents   | 5   | 2640.52                         | 441.14   |
| <b>12</b> | De-contamination of contaminated drums/ containers / barrels   | 4   | 2910                            | 372.81   |
| <b>13</b> | Utilization of process slude and primary ETP sludge gnerated from Pulp & Paper Industries for producing Paper Board/ Mill Board/ Card Board. | 3   | 3276                            | 0  |
| <b>14</b> | Captive Utilization of Aluminium Dross generatecd from refining and casting house of aluminium smelter units to recover Aluminium Metal      | 1   | 3240                            | 0  |
| <b>22</b> | Utilization of Vanadium Sludge generated from Alumina refineries for production of Vandium metal.  | 1   | 300                             | 285.22   |
|           | <b>Total</b>   | <b>14</b>   | <b>12366.52</b>                 | <b>1099.17</b>   |
| <b>C</b>  | <b>Co-processing in Cement Plants</b>  | <b>NIL</b>  | <b>NIL</b>                      | <b>NIL</b>   |

**Table 32(g): West Bengal- List of Authorized Recyclers/ Utilizers/Co-processors**

| 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) |
|------|--|---|---|--|
| 1    | Eastern Metal, Vill.-Khamar, P.O.-Bishnupur, Rajarhat, Dist. 24 Parganas(N)  | Used lead acid battery plates /Lead scrap                                 | 450   | 129.20   |
| 2    | Barua & Co., Siliguri Industrial Estate, Shed No 21, 2nd Mile Sevok road , Siliguri 734001                                     | Used Transformer oil  | 200   | 0.00   |
| 3    | R. B. Enterprise,, Vill. Bodai, P.O. Jugberia, Bilkanda Gram Panchayet, PS. Ghola, Pin - 711 110                               | Lead Acid Battery Plates, Lead Scrap, Lead Ash and Lead Residue - 240 MTA | 480   | 49.70  |
| 4    | Bristol Petroleum Pvt. Ltd. (Having own incinerator), 26/5/D-E, A.M.Ghosh Rd, BudgeBudge, Dist. 24 Parganas(S)                 | Used Oil  | 8400  | 1434.94  |
|      |  | Waste Oil   | 15000   | 2702.99  |
| 5    | Patton International Ltd. (Kotalia Works), 127,N.S.C. Bose Road, Sonarpur, Kolkata 700146                                      | Used Oil  |   |  |
| 6    | Lubrina Recycling Pvt. Ltd., Joychandipur, P.O. - Barasat, P.S.- Bishnupur, Dist. 24 Parganas(S) 743377                        | Used Oil  | 500   | 346.28   |
|      |  | Waste Oil   | 250   | 428.10   |
|      |  | Contaminated Drum   | 229.5   | 26.50  |
| 7    | N. K. Company, J. R. Industrial Estate, Haran Mollah Road, Bonogram, PO. Rashapunja, PS. Bishnupur, Dist:24 Parganas(S) 700104 | Waste Oil   | 11000   | 1729.16  |
| 8    | ARM Industries, Vill. & PO. Dakshin Gouripur, PS. Bishnupur, PIN. 743503   | Zinc Ash, Zinc Skimming and Zinc Dross                                    | 936   | 142.50   |
| 9    | J.S.Pigments Pvt. Ltd., Vill +P.O.: Jarura, P.S.: Polba, Delhi Road, Hooghly 712138  | Lead Acid battery plates / ashes / residues / scraps                      | 4000  | 227.00   |

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| 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) |
|------|--|---|---|--|
|      |  | Cu dross/Druid/jelly filled Cu cables/waste Cu alloys/Cu residue      | 1488  | 135.01   |
|      |  | Brass dross scrap : Zinc dross / ash/skimming/ residue and zinc alloy | 1005  | 0.00   |
| 10   | Raj Finoxides Pvt. Ltd., Khariyal, D.C.C. Dankuni, Dist. Hooghly 712310                  | Lead acid battery plates and other lead scrap                         | 7800  | 2082.00  |
| 11   | Leadstone Energy ltd. , NH-2, Delhi Rd., Rajhat, Dist. Hooghly 712123                    | Lead acid battery plates and Lead scrap                               | 4896  | 1202.19  |
| 12   | Sun Metal Industries, Delhi Road, PO. Sugandhya, PS. Polba, Dist. Hooghly                | Lead Acid Battery Plates / Lead Scrap                                 | 1500  | 293.59   |
| 13   | India Metal Industries, Santrapara, par Darkuni, P.O.-DCC, Dist. Hooghly                 | Used lead Acid Battery Plates / Scrap                                 | 470   | 77.97  |
| 14   | Ganesh Steel & Alloys Ltd., NH-2, Delhi Road, P.O.:Mallickpara, P.S.: Serampore, Hooghly | Spent Copper catalyst   | 360   | 10.62  |
|      |  | Spent Nickel Catalyst   | 2232  | 129.07   |
|      |  | Gasifier slag containing nickel                                       | 192   | 32.31  |
|      |  | Spent molybdenum catalyst   | 888   | 76.91  |
| 15   | Mega Energy Pvt. Ltd., Vill. Gotu, PO. Sugandhya, PS. Polba                              | Lead Acid Battery Plates &  | 1500  | 110.58   |

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|------|---|--|---|--|
|      |   | Lead Scrap   |   |  |
| 16   | Kundu Refinery Works, Durgapur Expressway, Jaykrishnapur, Dist. Hooghly   | Used Oil   | 3600  | 410.65   |
|      |   | Waste oil  | 900   |  |
| 17   | BA-MA Oil Industries, Panchayat Road, Kharial, Dankuni, Dist. Hooghly   | Used Oil   | 360   | 270.92   |
|      |   | Waste Oil  | 3600  | 110.21   |
| 18   | I.R. Chemicals 217, Tiljila Road, Kolkata – 7000 46   | Lead Acid Battery Plates, Lead Scrap and Lead Ash          | 1200  | 201.42   |
| 19   | Siyaram Petrotech Pvt. Ltd., Sankrail Industrial Park, NH-6, Dhulagarh, Howrah- 711 302                                     | Used Oil   | 2400  | 129.75   |
|      |   | Waste Oil  | 3600  |  |
| 20   | Shama Metal Industries, Vill & PO. Kendua, PS. Sankrail, PIN. 711302, Dist. Howrah  | Lead Acid Battery Plates, Lead Scrap and Lead Ash          | 1080  | 90.37  |
| 21   | Adarsh Galai Udyog, Dag No 1250, K No 1819,1862, Dhulagari Industrial Park, Sankrail, Howrah 711302                         | Lead Acid Battery Plates /Lead Scrap                       | 1380  | 245.20   |
| 22   | Diach Chemicals & Pigments Pvt. Ltd., vill. Jaladhulagori, PO. Dhulagori, PS. Sankrail, Howrah 711302                       | Lead Acid battery scrap/plates                             | 24000   | 3092.56  |
| 23   | Raj Metal Industries, P.O. Panpur, Mouza Majukshetra, Jagatballavpur, Amta, Howrah 711401                                   | Lead Acid Battery Plates, Lead Scrap, Lead Ash and residue | 8290  | I.R.   |
| 24   | Saraswati Metal Industries, J.L. No 2, DAG no. 1351, K. No. 1819, Jalan Industrial Park, Dhulagori, Sankrail, Howrah 711302 | Lead Acid Battery Plates                                   | 420   | 166.48   |
| 25   | Howrah Chemical & Solvent, Domjur, Amta Road, Dakshin Bari, PO: Dakshin Jhapardah, PS: Domjur, Howrah - 711 109             | Spent Solvent  | 342.52  | 156.65   |

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|------|--|--|---|--|
| 26   | Shiwshakti Metal Works Jaladhulagori, Jalan Industrial Complex, PO. Dhulagar, PS. Sankrail, Dist. Howrah, PIN 711302 | Used lead acid battery plates                    | 300   | 120.50   |
| 27   | Sylvan Chemicals 40/1, 'A' Road, Bamangachi, Salkia, Dist. Howrah 711106   | Zinc Ash/Zinc skimmings                          | 540   | 207.24   |
| 28   | Vee Aar Industries 4, Ratan Halder Lane, Liluah, Howrah, 711204  | Zinc ash/skimming                                | 540   | 244.9  |
| 29   | Panchawati Metal Works Vill. & PO. Argori, N. H. - 6, PS. Sankrail, PIN. 711302, Howrah                              | Lead Acid Battery Plates / Scrap                 | 900   | 107.25   |
| 30   | Vermillion Petrochem Pvt. Ltd. 28/1, Salkia School Road, P.O.- Bandhaghat, Dist. Howrah 711106                       | Used oil   | 1000  | 775  |
| 31   | Sakti Enterprises Dotala, Jhilpar, Vill. & PO. Bankra, PS. Domjur, Dist: Howrah 711403                               | Zinc Ash, Zinc Skimming and Zinc Dross           | 1200  | 22.84  |
| 32   | Standard Metal Industries Vill & P.O. - Tentulkuli , P.S. - Domjur, Howrah - 711409                                  | Lead Acid battery scrap etc.                     | 1590  | 130  |
| 33   | Kamala Metachem Vill. Kulai, P.S. Panchla, P.O.Bikakola, Dist. Howrah  | Zinc Dross / Scrap                               | 2600  | 183.08   |
|      |  | Zinc Ash/Zinc skimmings                          | 1000  |  |
|      |  | Lead Acid Battery Plates                         | 2000  | 168.08   |
|      |  | Lead Scrap                                       | 1000  |  |
| 34   | Amit Metal Works Dhulagori, Jalan Industrial Park, P.O.: Dhulagori, P.S.: Sankrail, Howrah. Pin - 711302             | Lead Acid Battery Plates / Scrap                 | 1450  | 85.00  |
| 35   | R. K. Products Vill. & PO. Mahisrekha, PS. Uluberia, Dist: Howrah  | Zinc Ash, Zinc Skimming and Zinc Dross           | 600   | 181.19   |
| 36   | S. K. Metal Industries Dag No. 92, Pakuria, Lakshmanpur, PO & PS: Domjur, Howrah - 711 405                           | Zinc Ash   | 750   | 71.04  |

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|------|--|--|---|--|
|      |  | Zinc Dross                                       | 400   |  |
| 37   | J. G. Chemicals Pvt. Ltd. (Unit-II), Jalan Industrial Complex, PS. Domjur, PO. Biprannapara, PIN-711411              | Zinc dross, Zinc Scrap / Skimming                | 9690  | 9195.24  |
| 38   | Mahabir Chemicals Jala Dhulagori, PO. Dhulagarh, PS. Sankrail, PIN. 711302   | Zinc Dross                                       | 720   | 204.2655                                       |
| 39   | Singh & Sons Mfg. Chandmari Rd, Danesh Sheikh Lane, Sankrail, Dist. Howrah 711109                                    | Lead Acid Battery Plates and Lead Scrap          | 150   | 147  |
| 40   | Singh & Sons, J.L. No. 2, Plot No. 1455, Jaladhulagori, PO. Dhulagori, PS. Sankrail, PIN 711302, Dist. Howrah        | Lead Acid Battery Plates and Lead Scrap          | 560   | 193  |
| 41   | Maa Bhagawati Metal Industries Vill & PO. Argori, PS. Sankrail, N. H. 6, Dist. Howrah, PIN. 711302                   | Lead Acid Battery Plates / Lead Scrap            | 800   | 48.10  |
| 42   | Sajta Metal Works Chandmari Road, Danesh Sheikh Lane, Dist. Howrah   | Used lead acid battery plates / lead scrap       | 150   | 115  |
| 43   | Sajta Metal Works (Unit-II) Sankrail, Jalan Industrial Park, Sankrail, Howrah - 711 302.                             | Used lead acid battery plates / lead scrap       | 420   | 201  |
| 44   | Sunflower Industries Vill.-Pipli, P.O.-Jagdishpurhat, Domjur, Dist. Howrah   | Zinc Skimming                                    | 200   | 230.55   |
|      |  | Zinc Dross                                       | 250   |  |
| 45   | Sunbright Industries, Vill. & P.O. - Lakshmanpur, P.S. - Domjur, Howrah -Pin711323                                   | Zinc Ash, Skimming, Blowing Dust                 | 3000  | 734.51   |
| 46   | Grade Enterprise, Dhulagarh Industrial Park, PO. Kandua, PS. Sankrail, Dist. Howrah, PIN. 711302                     | Lead Acid Battery Scrap                          | 350   | 46.45  |
| 47   | A-One Enterprise (Formerly: Skylub Battery Company) Vill. & PO. Raghudevapur, PS. Uluberia, Dist: Howrah, Pin-711322 | Lead Acid Battery Plates and                     | 2064  | 71.72  |

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|------|---|--|---|--|
|      |   | Lead Scrap   |   |  |
| 48   | Azad Metal Works (Unit-II) Jaladhulagori, PS. Sankrail, PO: Dhulagori, Howrah - 711 302               | Lead Acid Battery Plates / Lead Scraps                             | 450   | 18   |
| 49   | Vinod Metal Industries Vill. & PO. Angori, N. H. 6, PS. Sankrail, PIN-711302                          | Copper Cable / Copper Dross  | 276   | Copper Dross - 24.0                            |
|      |   | Brass Dross -  | 144   |  |
|      |   | Lead Acid Battery Plates / Lead Scrap                              | 480   | Lead Scrap - 27.0                              |
| 50   | Jaiswal Metal Industries, 16G Dabgram Industrial Estate, PO-Satelite Township, Dist-Jalpaiguri 712138 | Lead Acid Battery Plates and Lead Scrap                            | 480   | 21.26  |
| 51   | Kashi Metal Works 157A, Picnic Garden Road, Kolkata 700039  | Lead acid battery plates   | 300   | 20.6   |
| 52   | Shiwshakti Metal Works 157 A, Picnic Garden Road, Kolkata 700039                                      | Used lead acid battery plates                                      | 300   | 123  |
| 53   | I.R. Chemicals 217, Tiljila Road, Kolkata - 7000 46   | Spent Solvent (20.2, 26.4, 28.6, 29.4 of Sch I of HOWM Rules 2016) | 1200  | 284.489  |
| 54   | Tarak Metal Industries 76 Canal Circular Road, Kolkata 700054   | Used Lead Ash / Lead Acid Battery Plates                           | 250   | 103.26   |
| 55   | Panchawati Metal Works B/8-C/H/8 Jogodyam Lane, Kankurgachi, Kolkata-54                               | Lead acid battery plates/lead scrap/lead ash/lead residue          | 160   | 138.24   |

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|------|---|--|---|--|
| 56   | Samta Metal Industries 76 Canal Circular Road Kolkata-54  | Lead Acid Battery Plates / Lead Scrap / Lead Ash / Lead Residues   | 480   | 70.192   |
| 57   | Bachhelal Metal Industries 22G, Shiv Krishna Daw Lane, Kolkata-54   | Lead Acid Battery Plates, Lead Scrap and Lead Ash  | 360   | 92.26  |
| 58   | Shree Ganesh Metal Works 157 A, Picnic Garden Road, PO. & PS. Tiljala, Kolkata-39   | Used lead acid battery plates  | 150   | 90   |
| 59   | Bijay Metal Works 76, Canal Circular Road, PS. Phoolbagan, Kolkata-54   | Used Lead Acid Battery Plates / Lead Ash   | 200   | 133.25   |
| 60   | Singh Metal Co. 157A, Picnic Garden Road, Kolkata-39  | Used Lead Acid Battery Plates  | 450   | 11.62  |
| 61   | Ranichem Industrial Corporation 188, Manicktala Main Road, PO. Kankurgachi, PS. Phoolbagan, Kolkata- 700054   | Copper Scrap/Copper Oxide Mill Scale/Copper Residue/Waste Copper and Copper Alloys, Copper Slag and Copper Dross | 250   | 14   |
| 62   | Azad Metal Works 158 B, Picnic Garden Road, PO. & PS. Tiljala, Kolkata-39   | Used lead acid battery plates / lead scraps  | 300   | 75   |
| 63   | Pigments & Chemical Industries Pvt. Ltd. Plot No. P-50 to P-55, P-64 & P-67, WBSIDC Industrial Estate, Mouza - Sadatpur, P.O: Rakhajungle, P.S: Kharagpur Local, Dist: Paschim Medinipur, Pin - 721304. | Zinc dross   | 6808  | 240.194  |
| 64   | Pinkto Chemicals 28, B.T.Road, PO. Sukchar, PS. Khardah, PIN. 700115  | Zinc Ash / Zinc Skimmings / Zinc Dross   | 720   | 54.095   |



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|------|---|--|---|--|
| 65   | Usha Metal Industries 26/5/B, A. M. Ghosh Road, PO. & PS. Budge Budge, Kolkata- 700137  | Lead Acid Battery Plates and Lead Scraps   | 500   | 46   |
| 66   | Howrah Drums Chandmari Road, PO. Danesh Shaik Lane, PS. Sankrail, Dist. Howrah, PIN. 711109   | Contaminated Drums   | 180   | 76.31  |
| 67   | Vas Petro Chemicals Pvt. Ltd. PO: Jamira, PS: Falta, Dist: 24 Pgs (S), Pin - 743504   | Used Oil   | 312   | 0  |
|      |   | Waste Oil  | 15600   | 0  |
|      |   | Used Transformer Oil   | 3120  | 0  |
| 68   | Ramco Metals Pvt. Ltd. (Formerly: Star Metal Dabgram Industrial Estate, PO. Sattelate Township, PS. Rajgunj, PIN. 734015Industries) | Lead Acid Battery Plates / Lead Scraps   | 420   | Production not started yet                     |
| 69   | Salts & Chemicals Pvt. Ltd. Vill & PO. Sugandha, PS. Polba, Hoogly PIN. 712102  | Zinc ash/Zinc dross  | 400   | 16.38  |
| 70   | R. S. Oil Industries Jalan Complex, Jangalpur, PO. Begri, Baniyara, PS. Domjur, Dist. Howrah, PIN. 711411                           | Used oil   | 4800  | 1281.089                                       |
|      |   | Waste Oil  | 24000   | 47.36  |
| 71   | Bright Engineering Corporation Bright Engineering Corporation NH-6, Vill & PO: Bhandardah, PS: Domjur, Dist: Howrah, Pin – 711405   | Zinc Ash / Skimming  | 900   | ZnCl <sub>2</sub> Pdn. not started yet         |
| 72   | Gem Chemical Industries 166/6, Mirpara Road, Bhattanagar, Liluah, Howrah 711203   | Zinc Ash (skimmings)   | 350   | 51.52  |
| 73   | Arjun Enterprise Dakshin Dutta Para Bazar, PO. Haripukuria, PS. Haringhata, PIN. 741257, Dist Nadia                                 | Insulated Copper Wire Scrap, Copper with PVC sheathing including 'Druid', jelly filled Copper Coldes, Copper Dross | 600   | 140.741  |

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|------|---|--|---|--|
|      |   | and Waste Copper and Copper Alloys, Zinc Dross, Zinc Ash and Zinc Skimming and Brass Dross |   |  |
| 74   | Panna International 40/1, 'A' Road, Bamangachi, Salkia, Dist. Howrah  | Zinc Ash and Zinc Skimming   | 1200  | 428  |
| 75   | Amar Trades Ltd. Khamar, Bishnupur, PO. & PS. Rajarhat, Kolkata-700 135   | Vanadium sludge from aluminium refinery  | 300   | 285.22   |
| 76   | M. S. Drum Suppliers 26/5/F, A. M. Ghosh Road, PO.& PS. Budge Budge 700137                                      | Contaminated Drums   | 300   | 270  |
| 77   | Bhanu Metal Industries Vill: Khamar, PO: Rajarhat Bishnupur, PS: Rajarhat, Dist: 24 Pgs. (North), Pin - 700 135 | Lead Acid Battery plates, Lead ash and dross   | 1150  | Production not started yet                     |
|      |   | Lead Scrap   | 1900  |  |
|      |   | Copper Scrap, Ash, Dross, Druid, Jelly Filled Copper Cable and Copper Alloys               | 300   |  |
|      |   | Brass Scrap  | 100   |  |
| 78   | APL Metals Ltd. Kanakpur, PO Naranda, Panskura, Dist. E.Midnapore, 721139                                       | Lead Acid Battery Plates and Lead Scrap  | 63000   | 14312  |
| 79   | Ambica Dhatu Pvt. Ltd. NH No. 6, PO.- 8, Vill. Biprannapara, Jalan Industrial Complex, Jangalpur, PIN. 711411   | Zinc dust  | 3000  | 1437.16  |

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|------|--|--|---|--|
|      |  | Zinc dross   | 1500  | 845.43   |
| 80   | Ganga Metal Industries Plot. 15 C, Debgram Industrial Estate, Fulbari, Jalpaiguri 734015, Dist. Jalpaiguri                             | Lead Acid Battery Plates and Lead Scrap  | 720   | 100  |
| 81   | Eastern Dye Chem (P) Ltd., P.O. East Udairajpur, Madhyamgram, Kolkata-700 129.   | Copper Scrap / Copper Oxide / Mill Scale / Copper Residue / Waste Copper and Copper Alloys, Copper Slag and Copper Dross - | 500   | 79   |
| 82   | Golden Metal Industries, 265/A/1/A, G.T. Road, Liluah, Dist. - Howrah, Pin-711204  | Copper Scrap   | 78  | 10   |
|      |  | Brass scrap  | 36  |  |
|      |  | Zinc scrap   | 12  |  |
| 83   | Plumbum Chemicals & Pigments Pvt. Ltd. Unit-II (Formerly: Bengal Metal Industries), Khamar, Bishnupur, PO. & PS. Rajarhat, PIN. 743510 | Lead scrap & Lead acid battery scrap   | 3000  | 24.714   |
| 84   | Alfa Pigment & Chemicals PO: Dankuni, PS: Dankuni, Dist: Hooghly, Pin - 712 310  | Zinc Dross   | 2400  | 88.328   |
| 85   | Rajnath Metal Works, 158B, Picnic Garden Road, Kolkata - 700 039.  | Used lead acid battery plates  | 300   | AR Not submitted                               |
| 86   | Shiv Shankar Metal Works, 157 A, Picnic Garden Road, P.O. Tiljala, Kolkata -39.  | Used lead acid battery plates  | 150   | AR Not submitted                               |
| 87   | Ram Dular & Bros, 157A, Picnic Garden Road, Kolkata-700 039.   | Used lead acid batteries plates / lead scraps  | 150   | AR Not submitted                               |
| 88   | Ambica Chemical & Industrial Corporation, 68, Debendra Chandra Dey Road, P.O. & P.S.- Tangra, Kolkata - 15                             | Zinc Ash/Skimming  | 1600  | AR Not submitted                               |

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| 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) |
|------|--|---|---|--|
|      |  | Zinc Dross/Zinc Scrap   | 400   |  |
| 89   | Sunflower Metal Industries, Vill. & Mouja - Dhulagorhi, Kandua, P.O. Bhagabatipur, P.S. Sankrail, Howrah-711 302.                              | Lead Acid Battery Plates and Lead Scrap   | 336   | AR Not submitted                               |
| 90   | Global International, Vill. & PO. Lakshmanpur, PS. Domjur, Dist. Howrah-711 114.   | Lead Acid Battery Plates, Lead Scrap and Lead Ash   | 564   |  |
| 91   | Krishna Metal, Vill. & PO. Lakshmanpur, PS. Domjur, Dist. Howrah - 711 114.  | Lead Acid Battery Plates and Lead Scrap   | 384   | AR Not submitted                               |
| 92   | Ram Dular & Brothers, Unit II, Bombay High Road, Vill. Jala Dhulagori, P.O. Dhulagori, Dist.-Howrah  | Lead Acid Battery Plates and Lead Scrap   | 720   | AR Not submitted                               |
| 93   | Eastern Copper Manufacturing Co. Pvt. Ltd., Baniara Industrial Estate, Jalan Complex, Jangalpur, P.O.: Baniara, P.S.: Domjur, Howrah- 711 411. | Copper scrap, copper dross, copper ash, waste copper & copper alloys, insulated copper wire, scrap/copper with PVC sheathing including ISRI Code material mixed non ferrous metal | 2400  | AR Not submitted                               |
| 94   | Ansh Metal Works Vill & P.O.: Islampur, P.S.: Jagatballavpur, Howrah. Pin- 711 401.  | LA Battery plates, lead scrap/lead residues and lead ash  | 900   | AR Not submitted                               |
| 95   | A. H. Metal Works Kantalia, Makardah, PO: Nibra, PS: Domjur, Dist: Howrah, Pin - 711 409   | Lead Acid Battery Scrap   | 360   | AR Not submitted                               |
| 96   | Bright Metal Company PO: Bankra, PS: Domjur, Howrah - 711 403  | Lead Acid Battery Scrap   | 1440  | AR Not submitted                               |

National Inventory Report on Hazardous Waste Generation and Its Management (2017-18)

| 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) |
|------|---|--|---|--|
| 97   | R. S. Metal Industries Vill: Chinchuria, PO: Nuni PS: Barabani, Dist: Bardhaman Pin - 713341            | Lead Scrap and Lead Acid Battery Scrap                             | 1200  | AR Not submitted                               |
| 98   | Ma Durga Metal Works PO: Dhulagori, PS: Sankrail Dist: Howrah, Pin - 711 302                            | Lead Scrap   | 3000  | AR Not submitted                               |
|      |   | Lead Acid Battery Scrap  | 1000  |  |
| 99   | Shiba Durga Chemicals PO: Tulsiberia, PS: Uluberia, Dist: Howrah, Pin - 711 401                         | Zinc Dust / Dross  | 18  | AR Not submitted                               |
|      |   | Zinc Ash / Skimming  | 276   |  |
| 100  | B. A. Metal, Rajarampur, PO: Shyambasurchak, PS: Kulpi, Dist: 24 Parganas (South)                       | Aluminium Dross  | 3240  | AR Not submitted                               |
| 101  | Tinna Rubber & Infrastructure Ltd. Dighasipur, PO & PS: Bhabanipur, Dist: Medinipur (East) : Pin-721666 | Rubber Waste   | 150   | AR Not submitted                               |
| 102  | Trirubber India Inc.P.O.-Hariatara, P.S.-Kharagpur(Local) Dist. - Midnapore (W), PIN-721304             | Rubber Waste   | 24000   | AR Not submitted                               |
| 103  | Ashirbad Enterprise Vill & PO: Chagram; PS: Kalna, Dist: Bardhaman; Pin - 712145                        | ETP Sludge of Paper Mill   | 1980  | AR Not submitted                               |
| 104  | Pooja Paper Industries Vill: Benipur (Palpara); PO: Tribeni; PS: Mogra, Dist: Hooghly; Pin - 712 503    | ETP Sludge of Paper Mill   | 900   | AR Not submitted                               |
| 105  | Somra Board Somrabazar, PO: Somra, PS: Balagarh; Dist: Hooghly; Pin - 712 123                           | ETP Sludge of Paper Mill   | 396   | AR Not submitted                               |
| 106  | Sagar Chemical & Solvent Mondalpara, P.O.- Bamunari P.S.- Rishra, Dist. - Hooghly, PIN- 712250          | Spent Solvent (20.2, 26.4, 28.6, 29.4 of Sch I of HOWM Rules 2016) | 900   | AR Not submitted                               |
| 107  | Raj Chemical Vill. & P.O. - Lakshmanpur, P.O. - Domjur, Howrah- 711323                                  | Zinc dross   | 200   | AR Not submitted                               |
|      |   | Zinc ash/ skimmings/ flux  | 100   |  |
| 108  | J.G. Chemicals Pvt. Ltd., 189 Girish Ghosh Road, Belur, Howrah  | Zinc scrap / Zinc dross  | 1620  | 1308.373                                       |

| 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) |
|------|--|--|---|--|
| 109  | Indian Drum Suppliers 26/5/G, A. M. Ghosh Road, PO. & PS. Budge Budge      | Contaminated Drums                               | 59.5  | AR Not submitted                               |
| 110  | Inspec Oils Limited, B/122, Phase-III, Kalyani, Dist. Nadia.               | Used Oil   | 3300  | AR Not submitted                               |
| 111  | Berger Paints India Ltd. 106, G. T. Road, PO: Rishra, Dist: Hooghly        | Spent solvent                                    | 30  | 9.568  |
| 112  | Berger Paints India Ltd. 14&15 Swarnamoyee Road, Shibpur, Howrah - 711 103 | Spent solvent                                    | 168   | 42.98  |

Table 32(h): West Bengal-Details of Hazardous waste disposed in Common TSDF(s)

| 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 Pre-Processed for utilization (MT) | Quantity in Stock at the end of the year (MT) |             | Cumulative HW disposed in SLF by the end of financial year (MT) | Capacity           |                   |                 |
|------|--|---|-------------|--|------------------------------|------------------|---|-------------------------------------|----------------------|---|---|-------------|---|--------------------|-------------------|-----------------|
|      |  | Land fillable                                       | Incinerable | For Direct landfill                        | For Landfill after treatment | For Incineration | Quantity Landfilled directly              | Quantity Landfilled after treatment | Quantity Incinerated |   | Landfillable                                  | Incinerable |   | Incinerator (KCal) | Incinerator (T/H) | Landfill (MT/A) |
| 1    | M/s West Bengal Waste Management Ltd. J.L. No. 103, Purbasrikrishnapur, P.S. Sutahata, Haldia-721635 | 0   | 591.438     | 11797.57                                   | 21454.78                     | 9661.1           | 11797.57                                  | 37206.79                            | 10604.85             | NIL   | 0   | 240.534     | 49004.36  | 5500000            | 1.5               | 180000          |

**Table 32(i): West Bengal-Details of Hazardous waste disposed in Captive TSDF(s)**

| S. No. | Name and Address of Captive facility   | Type of facility (landfillable/Incinerable /both) | Capacity          |                 | HW disposed during the year | Cumulative HW disposed till the end of financial year |
|--------|--|---|-------------------|-----------------|-----------------------------|---|
|        |  |   | Incinerator (T/H) | Landfill( MT/A) |                             |   |
| 1      | M/s West Bengal Waste Management Ltd. J.L. No. 103, Purbasrikrishnapur, P.S. Sutahata, Haldia-721635 | Landfillable & Incinerable                        | 1.5               | 1,80,000        | 49004.36                    | 49004.36  |

**ANNEXURE-3**  
**THE DETAILS OF 52**  
**STANDARD OPERATING**  
**PROCEDURE FOR**  
**UTILIZATION OF**  
**HAZARDOUS WASTE**



**Table : List of 52 SoPs developed by CPCB for utilization of Hazardous Waste under Rule 9 of HOWM Rules, 2016**

| S. No | Name of HW  | Source of generation  | Type of utilization/Intended use  |
|-------|---|---|---|
| 1     | Spent Solvent (containing Toluene, Xylene, Cyclohexane, Acetone, Methyl isobutyl ketone, Methanol, Isopropyl alcohol, Methylene Dichloride, Tetra Hydro Furan, Ethyl Acetate, Iso Propyl Ether, Dimethyl formamide, Butyl acetate, Methyl Acetate, Butanol, Benzene, Ethanol and Methyl Ethyl Ketone) | Industrial use of solvents; production or industrial use of synthetic dyes, dye intermediates and pigments; production/formulation of drugs/pharmaceuticals and healthcare products and production and formulation of pesticides including stockpiles | Recovered solvents/mixed solvents for Industrial use  |
| 2     | APCD Dust/ Residue  | LD Furnace/Electric Arc Furnace (EAF)/Blast Furnace of Steel Plant/captive Blast Furnace and Ferro-Alloy Plant  | As Briquettes for further use in blast furnace to produce pig iron.   |
| 3     | Spent Catalyst containing precious metals and ETP Sludge containing platinum  | Petrochemical process and pyrolytic operation, petroleum refining, production of acids, production of nitrogenous and complex fertilizers, production/formulation of drugs/pharmaceuticals and ETP sludge   | Recovery of Precious metals - Platinum, Iridium, Osmium, Palladium, Rhodium, Ruthium, Rhenium, Gold & Silver                            |
| 4     | Spent H <sub>2</sub> SO <sub>4</sub>  | Pickling operations of MS rods / sheets   | Ferrous Sulphate (Not to be used in drinking water purification and to be used only for industrial purposes)                            |
| 5     | Spent Acid - Containing Molybdenum  | Filament and bulb Industry  | Molybdenum Trioxide   |
| 6     | Spent HCl   | Metal surface cleaning in steel and rolling industry  | Ferric Chloride (Not to be used in drinking water purification or agriculture applications and to be used only for industrial purposes) |
| 7     | Used Anode butt   | Aluminium Smelter units   | Carbon pellets and high energy coke for use in Steel  |

| S. No | Name of HW  | Source of generation  | Type of utilization/Intended use   |
|-------|---|---|--|
|       |   |   | furnaces/foundries   |
| 8     | Used Anode butt   | Aluminium Smelter units   | Carbon blended coke/ electrode carbon paste/carburizer for use in Steel or Ferro Alloy furnaces  |
| 9     | Used Anode butt (Pre-processed)                                   | Aluminium Smelter units   | Green anodes for use in Aluminium Smelters   |
| 10    | Used Anode butt (Pre-processed)                                   | Aluminium Smelter units   | Carbon Electrode Paste for use in Ferro Alloy Plants   |
| 11    | Coal Tar/Tarry Residue  | Coal gasifier units   | As supplementary fuel in furnace of sodium silicate units  |
| 12    | Contaminated Container/ barrels/ drums                            | Pharmaceuticals, food processing, cosmetic, textile, paint formulation and beverages industries | Cleaned barrel and drums for industrial use and/or production of plastic granules.   |
| 13    | Process and primary sludge of ETP - Pulp and Paper                | Paper & Pulp Industry   | Paper Board/ Mill Board / Card Board   |
| 14    | Aluminium Dross   | Refining and casting house of Aluminium smelter units   | To recover aluminium metal (captive use)   |
| 15    | Aluminium Dross   | Refining and casting house of Aluminium smelter units   | To recover aluminium metal   |
| 16    | Oil based iron sludge   | Grinding mill section of Ball & Roller bearings   | Ferrous Sulphate (Not to be used in drinking water purification or agriculture applications and to be used only for industrial purposes) |
| 17    | Spent catalyst - Containing Mercury and mercury waste             | Various industry  | Mercury  |
| 18    | Spent H <sub>2</sub> SO <sub>4</sub> containing organic compounds | Dye and Dye intermediates units   | Chemical Gypsum for use in cement plants   |
| 19    | Spent fixer (hypo) solution                                       | Photography / X-rays films  | Silver metal for various use   |
| 20.   | Hydro fluoro silicic acid - Acidic scrubber solution              | Single Super Phosphate manufacturing industry   | Recovered Sodium Silico Fluoride (Sodium fluorosilicate) for use in Glass industry.  |

| S. No | Name of HW   | Source of generation  | Type of utilization/Intended use   |
|-------|--|---|--|
| 21.   | Spent Sulphuric Acid                                     | Para Nitro Toluene Ortho Sulfonic Acid/Oxadiargyl Anthrquinone manufacturing industry | Ferrous Sulphate   |
| 22.   | Vanadium Sludge  | Alumina refineries  | Vanadium metal   |
| 23.   | Phenolic Waste water                                     | Coal Gasifier condensate water  | Quenching of hot gases in After Burning Chamber of Direct-reduced iron (DRI) kiln of Sponge Iron Industry  |
| 24.   | Chemical sludge(Primary sludge) of ETP                   | Pulp & Paper Industry   | For energy recovery in Atmospheric Fluidized Bed Combustion (AFBC)<br>Boiler/Pressurized Fluidized Bed Combustion (PFBC)<br>Boiler/Circulating Fluidized Bed Combustion (CFBC)<br>Boiler for steam or electricity generation |
| 25.   | Spent Carbon (Carbon Slurry)                             | Urea manufacturing plant  | Quenching of carbon slurry in the reactor for manufacturing carbon black.  |
| 26.   | Spent Acid containing Molybdenum compound                | Bulb filament manufacturing industries  | Ammonium Molybdate   |
| 27.   | Resin Waste (mixture of Bisphenol A and Epichlorohydrin) | Resin impregnation of electrical coils power/hydro equipments industries              | For manufacturing of High Tension/Low Tension Insulators   |
| 28.   | Spent Alumina  | Polymerization in SWING unit of Petrochemical Plant                                   | For manufacturing of Refractory material like Insulation bricks, Mortar, Castables, High Alumina bricks  |
| 29.   | Spent Ion Exchange Resin                                 | Demineralization (DM) Plant   | For energy recovery in boiler for steam or power generation  |
| 30.   | Spent Ion Exchange Resin                                 | Demineralization (DM) Plant   | For energy recovery in Direct-reduced iron (DRI) kiln of Sponge Iron Industry  |

| <b>S. No</b> | <b>Name of HW</b>  | <b>Source of generation</b>   | <b>Type of utilization/Intended use</b>  |
|--------------|--|---|--|
| 31.          | Tungsten Scrap   | Metal cutting operation (using Tungsten carbide insert), mining tool buttons and worn out drills  | For manufacturing Tungsten Carbide Powder.                                       |
| 32.          | Spent Pot Lining   | During Production of Primary Aluminium from Alumina Smelting Industries   | As a supplementary resource for manufacturing of Carbon Mineral Fuel             |
| 33.          | Spent Sulphuric Acid   | During manufacturing of 4,4 Diaminobenzene Sulphanilide   | Isolation and purification of 2-NADSFA & 6-Acetyl APSA                           |
| 34.          | Coal Tar/Tarry Residue   | Coal gasifier units   | As supplementary fuel in furnace for energy recovery in Frit manufacturing units |
| 35.          | Gasifier Slag containing Nickel & Spent Catalyst containing Molybdenum | Nitrogenous Fertilizer Industry   | For manufacturing of Alloy steel ingots and stainless steel ingots               |
| 36.          | Synthetic Oil based mud/drill cuttings                                 | Generated from Oil & Natural Gas Exploration  | Road Construction / Oil recovery   |
| 37.          | Flue Gas Cleaning Residue  | Bag filter connected to steel scrap melting induction furnace   | Zinc Metal extraction  |
| 38.          | Spent Sulphuric Acid and Spent Sodium Thiosulphate                     | Spent Sulphuric Acid (generated during manufacturing of 3, 5-Dichloro Nitro Benzene) and Spent Sodium Thiosulphate (generated during manufacturing of 3, 5-Dichloro Aniline and m-Chloro Aniline) | For manufacturing of Nitrosyl Sulphuric Acid (NSA)                               |
| 39.          | Spent Phosphoric Acid  | Generated during manufacturing of   | Dibasic Calcium Phosphate  |
| 40.          | Spent Sulphuric Acid   | Generated during manufacturing of Vinyl Sulphone  | For production of H-acid   |
| 41.          | Waste Dichromate Solution  | Generated during manufacturing of Ibuprofen   | For production of Basic Chromium Sulphate  |
| 42.          | Used Waste Thinner   | Generated during cleaning of paint feeding lines using solvents   | For manufacturing of Industrial Primer to be used as Automotive Paints           |

| <b>S. No</b> | <b>Name of HW</b>                           | <b>Source of generation</b>   | <b>Type of utilization/Intended use</b>   |
|--------------|---|---|---|
| 43.          | Spent Aluminium Chloride                    | Generated during the production of CPC Green and 2, 4, 6-Trimethyl Benzoyl Chloride   | As a supplementary resource to manufacture liquid Aluminum Hydroxide Chloride/ Poly Aluminum Chloride for further use in ETP (as coagulant) and paper industry (as sizing material) . |
| 44.          | Spent Sulphuric Acid                        | generated during manufacturing of G-Salt  | for production of R-Complex and Gamma-acid  |
| 45.          | Spent Ammonium Chloride                     | generated during manufacturing of Hexamethyl Disilazane                               | production of Ammonium Chloride   |
| 46.          | Spent Sulphuric Acid                        | generated during manufacturing of 4, 4-Diaminobenzesulfanilide (DABSA)                | for manufacturing Para Amino Benzene Sulphonic Acid (PABSA)   |
| 47.          | Spent Liquid Glauber Salt                   | generated from ethoxylation step of Para Base Vinyl Sulphone manufacturing process    | for manufacturing of Reactive Dye (Reactive Orange 2R)  |
| 48.          | Spent Alkali Bromide and Spent Acid Bromide | Generated during manufacturing of pesticides, pharmaceuticals, and organic chemicals. | For production of liquid bromine  |
| 49           | Spent Sulphuric acid                        | Generated during dye & dye intermediates and chemical manufacturing process.          | As a neutralizing agent in CETP/ETP   |
| 50           | Spent Ammonium Carbonate                    | Generated during manufacturing of Copper Pthalocyanin blue (CPC Blue)                 | For manufacturing of zinc carbonate and copper carbonate  |
| 51           | Spent Aluminium dross residue/ rejects      | Generated from aluminium smelting process   | For production of calcium aluminate (synthetic slag)  |
| 52           | Tarry residue waste                         | From coal gasifier unit   | For production of Creosote oils and Coal tar pitch  |

**ANNEXURE-4**

**DETAILS OF AVAILABLE  
COMMON INTEGRAED  
TSDFs, COMMON  
INCINERATION &  
COMMON SECURED  
LANDFILL**



**Table 289: List of Available Common TSDFs with Common Incineration & Secured Landfill**

| S.NO | State                   | Name and Address of Common TSDF  | Facility Type  |
|------|-------------------------|--|--|
| 1    | <b>Andhra Pradesh</b>   | M/s Coastal Waste Management Project, Plot No:84/A, 84/B, Road No:20/5, E. Bonangi, JNPC, Parawada(M), Lankelapalem, Visakhapatnam.                    | Integrated Facility (Both Secured landfill and Incinerator)  |
| 2    | <b>Gujarat</b>          | M/s Saurashtra Enviro Projets Pvt. Ltd. Survey No 415, 417 & 418, Village Juna Katariya, Tal Bhachau Dist Kutch  | Integrated Facility (Both Secured landfill and Incinerator)  |
| 3    |                         | M/s Bharuch Enviro Infrastructure Ltd. Plot No. 9701-16, GIDC, Ankleshwar-393002 (Gujarat)   | Integrated Facility (Both Secured landfill and Incinerator)  |
| 4    |                         | M/s Bharuch Enviro Infrastructure Ltd Plot No D-43, GIDC, Dahej-392130 Gujarat   | Secured land fill facility   |
| 5    |                         | M/s Nandesari Environment Control Ltd., 519-P, GIDC, Nandesari, Dist. Vadodara<br><b>(Details not provided in the Annual inventory report 2017-18)</b> | Integrated Facility (Both Secured landfill and Incinerator)  |
| 6    |                         | M/s Vapi Green Enviro Ltd. Plot No: 4807, etc. Phase IV GIDC, Vapi, Dist : Valsad, State: Gujarat.   | Secured land fill facility   |
| 7    |                         | M/s Gujarat Maritime Board, Solid Waste Site, S.No. 325/1/1, Manar, Alang Dist. Bhavnagar (GEPIL Unit Alang)   | Integrated facility (Both Secured landfill and Incinerator)  |
| 8    |                         | M/s Geohybrid Industrial Solution Pvt. Ltd. Plot No A 33/35, Gujarat Eco Textile Park, Palsana Crossing NH-8, District Surat-394 315, Gujarat          | Standalone Incinerator   |
| 9    |                         | M/s Eco Care Infrastructures Pvt. Ltd. S. No. 127/1, 127/2, 128, 132/1, 132/2, 131, 132/2/2, 125/6, 125/3, Village-Ghaspur, Tal-Dasada,                | Secured land fill facility   |
| 10   |                         | M/s Saurashtra Enviro Projets Pvt. Ltd. Survey No D-2/CH-135, GIDC Dahej Industrial Estate, Taluka Vagra Dist-Bharuch, Surat                           | Standalone Incinerator   |
| 11   |                         | <b>Haryana</b>   | M/s Gujarat Env. Protection & Infrastructure (Haryana) Pvt. Ltd. Near Pali Mohhabatabad Stone Crusher Zone, Pali, Faridabad, Haryana |
| 12   | <b>Himachal Pradesh</b> | M/s Shivalik Solid Waste Management Ltd., Vill. Majra, P.O. Dabhota. Ten. Nalagarh, Distt. Solan (HP)  | Secured land fill facility   |
| 13   | <b>Jharkhand</b>        | M/s Adityapur Auto Cluster (Ramky Enviro Engineers Ltd.) Plot No.-43, Khata No-529, Dungi Mouza, District-Saraikela-Kharswan, Jharkhand-833210         | Integrated Facility (Both Secured landfill and Incinerator)  |



|    |           |   |  |   |
|----|-----------|---|--|---|
| 14 | Karnataka | M/s Karnataka Waste Management Project (A Division of Ramky EEL)KIADB,Industrial Area, Dobbaspet, Nelamangal Tq, Bangalore RuralDistt-562111 <b>(Details not provided in the Annual inventory report 2017-18)</b> | Secured land fill facility   |   |
| 15 |           | M/s Mother Earth Environ Tech Private Limited<br>Plot No 217, 2nd phase KIADB Industrial Area, Harohalli, Kanakapura Taluk, Ramanagara Distric, Bangalore-562112  | Secured land fill facility   |   |
| 16 |           | M/s Haat Incinerators India Pvt. Ltd. #35 B&C, Jigani Industrial Area, Bangalore-560105   | Standalone Incinerator   |   |
| 17 |           | M/s. Century Refineries (P) Ltd. # 17 A&B, KIADB Indl. Area, Hoskote Taluk, Bengaluru-562114 <b>(Details not provided in the Annual inventory report 2017-18)</b>   | Standalone Incinerator   |   |
| 18 |           | M/s Gomti Incinco, # 3 – B-2, 1st Phase, KIADB Indl Area, Kumbalgodu, Mysore Road, Bangalore – 560 074  | Standalone Incinerator   |   |
| 19 |           | M/s Bangalore Incinerator Pvt. Ltd., No. 28, KIADB Industrial Area,Kallanayakana Village, Huthridurga Hobli, Kunigal Taluk, Tumkur <b>(Details not provided in the Annual inventory report 2017-18)</b>           | Standalone Incinerator   |   |
| 20 |           | M/s Bangalore Eco Park (P) Ltd. No 2968, KIADB Industrial Area, Sompura 1st Stage, Nidavanda, Nelamangala, Bengaluru Rural District. <b>(Details not provided in the Annual inventory report 2017-18)</b>         | Standalone Incinerator   |   |
| 21 |           | M/s E Nano Incintech, Plot No.,342-B, of Harohalli Industrial Area,2nd Phase, 2nd Sector, Ramanagar   | Standalone Incinerator   |   |
| 22 |           | Kerala  | M/s Kerala Enviro Infrastructure Ltd., Common TSDF Project, Inside Fact-CD Campus, Ambalmedu, Kochi-682 303  | Secured land fill facility                                  |
| 23 |           | Madhya Pradesh  | M/s Madhya Pradesh Waste Management Project, Plot No. 104, Industrial Area-II, Pithampur, Dist.: Dhar (M.P.) | Integrated Facility (Both Secured landfill and Incinerator) |

|    |                      |  |  |
|----|----------------------|--|--|
| 24 | <b>Maharashtra</b>   | M/s Maharashtra Enviro Power Ltd.<br>Plot No. CHW-01, At Village Mandwa, MIDC<br>Butibori, Taluka-Hingna Dist –Nagpur-441122   | Integrated Facility (Both<br>Secured landfill and Incinerator) |
| 25 |                      | M/s Maharashtra Enviro Power Ltd.<br>Plot No. 56, MIDC Ranjangaon, Taluka-<br>Shirur, Dist – Pune.   | Integrated Facility (Both<br>Secured landfill and Incinerator) |
| 26 |                      | M/s Mumbai Waste Management Ltd.,<br>Plot No. P-32, MIDC Taloja, Tal: Panvel, Dist.<br>Raigad- 410 208   | Integrated Facility (Both<br>Secured landfill and Incinerator) |
| 27 |                      | M/s Trans Thane Creek Waste Management<br>Association,<br>Mahape, Plot No. P-128, Shil Mahape Road,<br>Mahape Navi-Mumbai -400710  | Secured land fill facility                                     |
| 28 | <b>Odisha</b>        | M/s Odisha Waste Management Project,<br>Plot No 420/648/1, Near Village Kanchichuan<br>PO Mangalpur,Sukinda, Distt- Jajpur   | Secured land fill facility                                     |
| 29 | <b>Punjab</b>        | M/s Punjab Waste Management Project<br>Vill.:- Nimbua PO:- Rampur sainia<br>(Derabasi)Distt.:- Mohali Pb)<br>Opp.:- Vardhman Chemtech Ltd.   | Secured land fill facility                                     |
| 30 | <b>Rajasthan</b>     | M/s Rajasthan Waste Management Project<br>(M/s Ramky Enviro Engineers Ltd) Survey no.<br>1018/13, Vill-Gudli,Tehsil-Mavli, Zinc<br>Choraha to Debari Railway Station Road,<br>Dist-Udaipur (Rajasthan) | Secured land fill facility                                     |
| 31 |                      | M/s Balotra Waste Management Project<br>(Div of Ramky Enviro Engineers Ltd) Survey<br>No. & Plot No-1114/274/13<br>&1115/274/14,Village-Kher,Tehsil-<br>Pachpadra,Dist-Barmer (Rajasthan)              | Secured land fill facility                                     |
| 32 |                      | M/s Continental Petroleum Ltd., Plot No. A-<br>166 & 162-165,<br>RIICO Industrial Area,<br>Behror - 301 701 , Distt- Alwar   | Standalone Incinerator   |
| 33 | <b>Tamil Nadu</b>    | M/s Tamilnadu Waste Management Ltd (M/s<br>Ramky Agencies, Hyderabad) Gummidpoondi<br>in Thiruvallur District  | Integrated facility (Both Secured<br>landfill and Incinerator) |
| 34 |                      | M/s Tamilnadu Waste Management Ltd<br>(M/s Ramky Agencies)S.F. No-135-140,143-<br>148,152 Undurmikidakulam, Tiruchuli-TK,<br>Virudhunagar-626129   | Secured land fill facility                                     |
| 35 | <b>Telangana</b>     | M/s Hyderabad Waste Management Project,<br>Survey No.684/1: Dundigal Village;<br>Qutbullapur Mandal; R.R.Distt-43  | Integrated Facility (Both<br>Secured landfill and Incinerator) |
| 36 | <b>Uttar Pradesh</b> | M/s Bharat Oil & Waste Management Ltd.<br>Gate No. 672, Vill. Kumbhi, NH-2, Kanpur<br>Dehat (UP)   | Integrated Facility (Both<br>Secured landfill and Incinerator) |

|    |   |   |   |
|----|---|---|---|
| 37 |   | M/s Uttar Pradesh Waste Management Project<br>(M/s Ramky Enviro Engineers Ltd.,) Plot No. 672, Village – Kumbhi, Tehsil: Akbarpur, on Sikandara Road- NH –2, Dist – Kanpur Dehat (U.P.) | Integrated Facility (Both Secured landfill and Incinerator) |
| 38 |   | M/s Industrial Infrastructure Services (India) Ltd.<br>UPSIDC Leather Technology Park Banthar, Unnao,   | Secured land fill facility                                  |
| 39 |   | M/s Bharat Oil Company (India) Regd., E-18, Site IV, Sahibabad Industrial Area, Ghaziabad, UP 201010,   | Standalone Incinerator                                      |
| 40 | <b>Uttarakhand</b>                          | M/s Bharat Oil & Waste Management Ltd. Mauza Mukimpur, Roorkee-Laskar Road, Roorkee, Haridwar   | Integrated facility (Both Secured landfill and Incinerator) |
| 41 | <b>West Bengal</b>                          | M/s West Bengal Waste Management Ltd. J.L. no. -103, Mouza- Shrikrishnapur, P. S. - Satahata Dist- Purba Midnapore, Haldia- 721 635 (W.B.).   | Integrated facility (Both Secured landfill and Incinerator) |
| 42 | <b>Daman, Diu, Dadra &amp; Nagar Haveli</b> | M/s Gujarat Enviro Protection & Infrastructure (D&NH) Pvt Ltd, Survey no. 9/1, Mota Randha Village, Silvassa-396230   | Integrated facility (Both Secured landfill and Incinerator) |