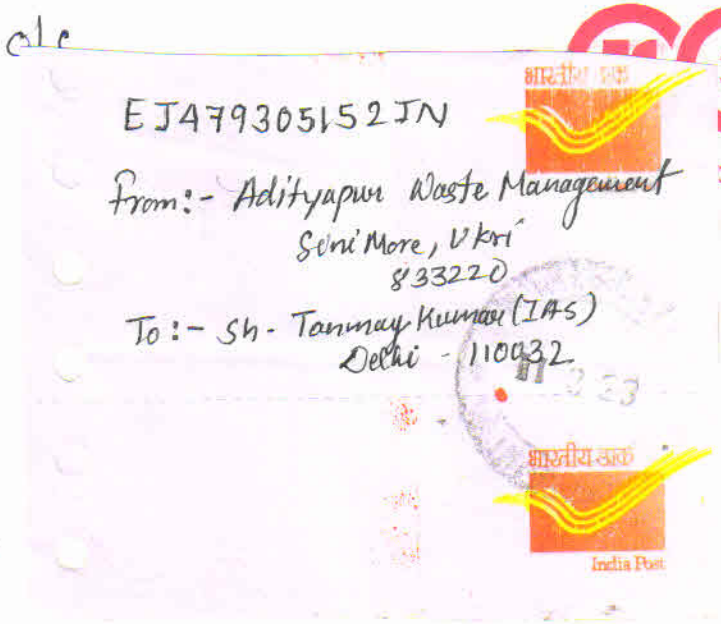

AWMPL/ES/2021-2022/SPCB/06
August 10, 2023

To,
Sh.Tanmay Kumar, (IAS)
Chairman,
CPCB-HWMD,
Parivesh Bhawan, East Arjun Nagar,
Delhi, India. Pin- 110032.

Dear Sir,

Sub: Environmental Statement (Form-V) for the year 2022-2023

With reference to above cited subject, Please find enclosed Environmental Statement (Form - V) for common Hazardous waste Treatment, Storage and Disposal Facility, Adityapur Waste Management Private Limited, Plot No: 43, Khata No. 529, Dugni Mouza district of Seraikela- Kharswan, Jharkhand for the year 2022 – 2023.

We hope the above are in order. Kindly acknowledge the receipt of the same.

Thanking you,

For **Adityapur Waste Management Private Limited**

Ashish S.

Ashish Kumar Singh
(Project Head)

Adityapur Waste Management Pvt. Ltd. ★ Re Sustainability

CC:

- **The Member Secretary** Jharkhand State Pollution Control Board H.E.C., Dhurwa, Ranchi-834004 (Jharkhand)
- Regional Officer, Jharkhand State Pollution Control Board, Regional Office, Adityapur, Saraikela- Kharswan

Adityapur Waste Management Pvt. Ltd.
(A Division of Re Sustainability Limited)
Site Address :
Ukri Road, Plot No.-43, Khata No.- 529,
Sini More, Dist.-Seraikella - Kharswan,
Jharkhand - 833220
ISO 9000 : 2015, 14001 : 2015, 45001 : 2018
CIN : U37200AP2013PTC088316

Re Sustainability Limited
(formerly known as Ramky Enviro Engineers Limited)
Registered Office :
Level 11, Aurobindo Galaxy,
Hyderabad Knowledge City,
Hitech City Road, Hyderabad
Telangana - 500081, India.
CIN No. U74140TG1994PLC018833

T: +91 9065525725
E: hr.awmpl@resustainability.com
resustainability.com

o/c

Sustainability

AWMPL/ES/2022-2023/SPCB/06
August 10, 2023

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Jharkhand State Pollution Control Board
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Ashish Kumar Singh.
(Project Head)

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CC:

- The Chairman, Central Pollution Control Board, 'Parivesh Bhawan', East Arjun Nagar, Shahdara, Delhi-110032
- Regional Officer, Jharkhand State Pollution Control Board, Regional Office, Adityapur, Saraikela- Kharswan

17/8/23

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Ashish Kumar Singh.
(Project Head)

Adityapur Waste Management Pvt. Ltd. ★ Sustainability

CC:

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FORM – V

Environmental Statement for the financial year ending 31st March 2023

Part – A

(i)	Name & Address of the Owner/ Occupier of the industry operation or process	ADITYAPUR WASTE MANAGEMENT PVT. LTD (A Subsidiary of Re Sustainability LTD.) PLOT NO 43.Khata No.529, Dugni Mouza, Dist: Saraikela-Kharswan, Jharkhand-833220
(ii)	Industry Category Primary (STC Code) Secondary (SIC Code)	Common Hazardous Waste Management Facility (CHW-TSDF)
(iii)	Production Capacity (Units)	Disposal Capacity of Hazardous Waste Secured land fill & Treatment / Stabilization – 17,400 MTPA Incineration – 3600 MTPA Used Oil /Waste Oil Recycling – 750 KLPA Paper & Plastic Waste Recycling – 750 MTPA Pre-Processing & using, sale Alternative Fuel & Raw Material – 750 MTPA Spent Solvent Recycling – 350 KLPA E- Waste Recycling – 1 TPD
(iv)	Year of Establishment	2017 Landfill in Operation started from 22nd November 2017 after getting the consent to operate and authorization.
(v)	Date of the last Environmental statement submitted	05.09.2022

Part – B

(I) Water and Raw material Consumption

01	Total water consumption	10 m^3/day
	Process as Lab and container washing, Tyre washings and House keepings	6 m^3/day
	Domestic use	2 m^3/day
	Gardening and other construction activities	2 m^3/day

	Name of the Products(*)	Process water consumption per unit of product output	
		During the previous financial year 2021-22	During the current financial year 2022-23

Adityapur Waste Management Pvt. Ltd.

	There is no manufacturing activity as this is a TSDF facility
Industry may use codes if disclosing details of raw materials would violate contractual obligations otherwise all industries have to name the raw materials used	

(I) Raw material Consumption

Name of the Raw materials	Name of Products	Consumption of raw materials in MT per unit of output	
		During the previous financial year (2021-22)	During the current financial year (2022-2023)
Lime	Used for stabilization	14.864	16.572
Fly Ash	Used for Stabilization	1664.38	1320.67
Cement	Used for stabilization	48.55	41.64
High Speed Diesel	Used for incinerator & DG Set.	34	13.6
Activated Carbon	Absorbing reagent in incinerator	1.0	0.0
Caustic Lye	Scrubbing reagent in incinerator	24.29	12.04 KL
Bleaching powder	Used for Stabilization	0.0	0.0

PART- C

Pollution discharged to environment/unit of output

(Parameter as specified in the consent issued)

Sl. No	Pollutants	Quantity of Pollutants discharged	Concentration of pollutants in discharges (mass/Volume)	Percentage of variation from prescribed Standards with reasons
1	Water	Nil as zero discharge facility		
2	From DG Stack Emissions	Particulate Matter (PM)	0.15 g/kW-hr	All parameters specified in CC&A are within prescribed limit
		Carbon Monoxide (CO)	0.723 g/kW-hr	
		Sulphure Dioxide(SO2)	4.25 mg/Nm³	
		Oxide of Nitrogen (as NOx)	0.47 g/kW-hr	
	From Incinerator Stack Emissions	Particulate Matter (PM)	46.1 mg/Nm³	
		Sulphure Dioxide(SO2)	187.5 mg/Nm³	
		Oxide of Nitrogen (NOx)	320.2 mg/Nm³	
		Total Organic Carbon (TOC)	<0.5 mg/Nm³	
		Mercury (Hg)	BDL mg/Nm³	
		Hydrogen Fluoride (HF)	<0.5 mg/Nm³	

Ajitvanur Waste Management Pvt. Ltd.

3	AAQM	PM_{10}	78.1 µg/m^3	All parameters specified in CC&A are within prescribed limit
		$PM_{2.5}$	22.7 µg/m^3	
		Sulphur Dioxide	25.7 µg/m^3	
		Oxides of Nitrogen	12.9 µg/m^3	

PART- D

As specified under Hazardous Waste (Management, Handling and Transboundary Movements) Rules 2016

Hazardous Wastes	Total Quantity (MT)	
	During the previous financial year (2020-21)	During the current financial year (2021-22)
a. From Process		
Incinerator Ash (Schedule 1 Category 37.2)	140.5	118
Spent clay containing Oil (5.2)	Nil	Nil
b. From pollution control facilities	Nil	Nil
c. **From Maintenance**		
Cotton Waste	0.05	Nil

PART- E
SOLID WASTE

Solid Wastes	Total Quantity (MT)	
	During the previous financial year (2021-22)	During the current financial year (2022-23)
a. From Process	Nil	Nil
b. From pollution control facilities	Nil	Nil
c. Quantity re-cycled or re – utilized within the unit	Nil	Nil
Total quantity disposed of for landfill	Nil	Nil

PART- F

Please specify the characterization (in terms of concentration and quantum) of Hazardous as well as solid wastes and indicate and disposal practice adopted for both the categories of wastes.

Adityapur Waste Management Private Limited (AWMPL) is a Common Hazardous Waste Treatment Storage and disposal facility (CHW-TSDF). The facility having the capacity to handle 17400 Mt/ Annum (Secured Landfill & Treated/Stabilization) Hazardous Waste per Annum, 36,00 MT of Incinerable Waste per Annum. The facility mainly handles two types of hazardous waste Viz. Landfill able Hazardous Wastes and Incinerable Hazardous Wastes.

AWMPL (CHW-TSDF) executes the ultimate disposal of Hazardous Waste into SEL and/or destruction of HW by incineration in CHWI followed by residual rejects disposal into SEL. The facility also implemented the treatment of HW by using chemical fixation (stabilization) and/or Solidification (Macro-encapsulation) techniques.

PART- G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production.

The TSDF itself is a pollution control measure. The AWMPL-TSDF has the pollution abatement system to take care of the environment and natural resources as per the norms and standards.

Stack Monitoring, Ambient Air monitoring, Work zone monitoring test are being conducted periodically by 3rd party.

The Facility has drilled 5 No's of Monitoring Bore Wells inside the premises for monitoring the quality of ground water frequently in every month.

PART- H

Additional measures / investments proposed for environmental protection including abatement / prevention of pollution.

- Certified ISO 9001:2015, ISO 14001:2015 and OHSAS 45001:2018 for the Common Hazardous Waste Treatment Storage Disposal Facility.
- Maintain Emission standards of CHWI through CEMS.

Adityapur Waste Management Pvt. Ltd.

PART- I

Any other particulars for improving the quality of the environment

About 550 saplings were planted in and around our site under green development programme under the current financial year on various events. Green belt has been developed outside the site boundaries to make eco-friendly environment.

Maintain the Environment Monitoring plan of CHW-TSDF and implement Environment Management Program.

World Environment day celebrated on every 5th June for increasing the environmental awareness. Besides periodic awareness in-house training are conducted for increasing the environmental & Safety awareness among the employees.

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