

Dated: 05th June, 2023

RSIWMSL VDR/TNPCB/2023-24/20

To

The Member Secretary
Tamil Nadu Pollution Control Board
No.76, Anna Salai,
Chennai-600032



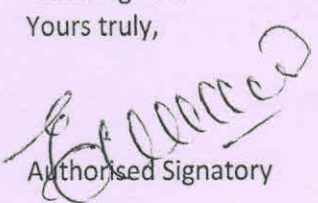
Subject: RSIWMSL VDR - CHWTSDF-Submission of Form V of 2022-2023 Regarding

Respected Sir

Please find enclosed here with Form-V of 2022-23 for Re Sustainability IWM Solutions Ltd - Common Hazardous Waste Treatment Storage and Disposal facility situated at Undurumikidakulam, Thiruchuzi Taluk, Virudhunagar District for the period from April 2022 to March 2023 as per Hazardous and Other Waste (Management and Transboundary Movement) Rule 2016.

Kindly acknowledge the receipt of the same

Thanking You,
Yours truly,


Authorised Signatory

Enclosure

- Annexure-1 - World Environment Day Celebration by massive plantation program.

CC: The Additional Principal Chief Conservators of Forest, Chennai.
The District Environmental Engineer, Virudhunagar

Re Sustainability IWM Solutions Limited.
(Formerly known as Tamilnadu Waste Management Limited and
Ramky Industrial waste Management Solutions Limited)

Site Address:
Sf No-135-140,143-148 & 152,
Undurumikidakulam, A.Mukkulam PO, Thiruchuli
Taluk, Virudhunagar - 630 611, Tamilnadu, India.
CIN No. U74140TG2002PLC039702

Registered Office:
Re Sustainability Limited.
(Formerly known as Ramky Enviro Engineers Limited)
Level 11B, Aurobindo Galaxy,
Hyderabad Knowledge City,
Hi-tech City Road, Hyderabad-500 081.
India. CIN No. U74140TG1994PLC018833

Certificate Reg No: 44 100 20392865 (ISO 9001: 2015)
Certificate Reg No: 44 104 20392865 (ISO 14001: 2015)
Certificate Reg No: 44 126 20392865 (ISO 45001: 2018)

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ENVIRONMENTAL STATEMENT REPORT

(FORM-V)

YEAR 2022-23



Sustainability

RE SUSTAINABILITY IWM SOLUTION LIMITED
Undurumikidakulam, A.Mukkulam PO
Virudhunagar District
Tamilnadu - 630611

FORM – V
(See Rule 14)
Environmental Statement Report for Financial Year Ending 31st March 2023

PART – A

Name and address of the owner /occupier of the industry operation or process : E.Udaya Kumar
Project Head
RE SUSTAINABILITY IWM SOLUTIONS LIMITED
Undurumikidakulam, A.Mukkulam PO
Virudhunagar District
Tamilnadu - 630611

Industry Category : Red Category (Hazardous waste Handling)
:

Production capacity

Direct Landfillable Waste 150000TPA

Landfillable Waste After Stabilization 90000 TPA

Year of Establishment : 2016

Date of last environmental statement : 23rd June, 2022

PART – B
Water Consumption KL/day

Water Consumption	During the previous financial year (2021-22) in KL	During the current financial year (2022-23) in KL
Gardening	1048	1052
Domestic	1542	1258

Raw Material Consumption

Name of the Raw Materials	Name of the Product	During the previous financial year (2021-22) in MT	During the current financial year (2022-23) in MT
Lime	Landfill after treatment hazardous waste	266	570
Fly Ash		2485	864
Cement		844	404
Sulphuric acid		1.89	0.0096
Ferrous sulphate		11.75	0
Bleaching Powder		1678	949
Sodium hydroxide		0.54	0.099
Potassium Permanganate		0	0
Nitric acid		0	0.792
Sodium Sulphide			0.26

PART – C

POLLUTION GENERATED

(Parameter as specified in the consent issued)

Pollutants	Quantity of Pollution generated 2022-23	Percentage of variation from prescribed standards with reasons
a) Water (Leachate)	1653 KL	Nil
Leachate	Total Leachate will be evaporated in Solar Evaporation Pan & residue salts are disposed in secured landfill. Zero water discharge system adopted.	

Pollutants	Quantity of SPM discharged 2022-23 (Ave)	Percentage of variation from prescribed standards with reasons
b) Air (Stacks)	g/Kw-hr	%
DG SET 63 KVA	0.044	NIL

PART – D

HAZARDOUS WASTE

[As specified under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016]

HAZARDOUS WASTE	During the financial year (2021-22) in MT	During the financial year (2022-23) in MT
Direct Landfillable waste	22027	4480
Landfillable waste after stabilization	17886	14198

**PART – E
SOLID WASTE**

Solid waste	Total quantity (Kg)	
	During the financial year(2021-22)	During the financial year(2022-23)
From process	Nil	Nil
From pollution control facilities	Nil	Nil
Quantity recycled or re-utilized within the unit.	Nil	Nil

PART – F

Please specify the characteristics (in terms of concentration and quantum) of Hazardous as well as solid wastes and indicates disposal practice adopted for both these categories of wastes

Collection, transportation, reception, treatment, storage, and disposal of industrial hazardous wastes from the industries in the state of Tamil Nadu.

Based on the quantities available the following general information could be inferred:

- *ETP sludges can go directly to landfill either directly or after stabilization.*
- *Incineration ash, slags, asbestos and glass fibers are essentially inorganic in nature and can go to landfill directly or with simple stabilization techniques.*

Based on the above compiled information wastes have been classified by their pathway of disposal:

- *Wastes that require stabilization prior to landfill*
- *Wastes requiring storage until alternate economically viable techniques are made available.*
- *Residue solid waste from Solar Evaporation pond after analysis which is disposed in direct landfill*

PART – G

Impact of the pollution control measures on conservation of natural resources and consequently on the cost of production

- *Minimizing the dust concentration by providing covered sheds for raw material storage and fugitive emission being controlled by sprinkling of water through water tank regularly on the roads*
- *Stabilization pit. having cyclone, wet scrubber followed by stack for controlling of fugitive emission*
- *Leachate being stored in double liner solar evaporation pond and evaporated during sunny time.*

PART – H

Additional investment for environmental protection including abatement of pollution

RSIWMSL spent an amount of Rs.9.76 Lakhs during 2022-23 towards Environmental protection & Abatement of Pollution (Green Belt development & maintenance, Environmental monitoring, measurement, Housekeeping).

PART – I

Miscellaneous

Any other particulars in respect of environmental protection and abatement of pollution

- Greenbelt was developed in an area of about 25 acres with 8406 number of plantations. Last year 2961 plants are planted in our industry. Proposed greenbelt development for 2023-24 is with 1500 trees
- Environmental monitoring for ambient air quality, noise levels ,Monitoring borewell water and Leachate quality is being done regularly as per HWM Rules 2016
- Conducting World Environment Day Celebration by massive plantation program (Annexure-1).
- The unit spent an amount Rs.7.63 Lakhs during 2022-23 towards CSR activities like sponsor for Book Fair – Virudhunagar, Fund Donation for Flag day 2022, Fund Sponsor for DPHICON – 2022, sponsor the Printer machine and 25 litres capacity - RO Water machine, syntex tank, pipe lines installation to nearby Government school, given Sewing machines - 36 nos to nearby village self-helping women's group , fund sponsor for awards arrangement - nearby school annual day celebration.

Uma

[Signature]
Authorized Signatory

Environmental Day Celebration – 2022-23

Environmental Day - Celebration

