

Dated: 07<sup>th</sup> Dec 2023

RIWMSL/ VDR/EC/2023-24/30

To

Addl. Principal Chief Conservator of Forests (C),  
Government of India Ministry of Environment, Forests & Climate Change Regional Office  
(South Eastern Zone) HEPC Building,  
No. 34, Cathedral Garden Road,  
Nungambakkam  
Chennai-600 034

Subject: "Half yearly submission for the Compliance Report of Environment Clearance Condition"

Respected Sir,

With respect to the above subject, herewith we are submitting the compliance report of Environment Clearance Condition for the period June 2023 to Nov 2023.

Thanking You.

Yours sincerely,

  
Authorized Signatory



Enclosure

- Compliance Report of Environment Clearance Condition
- EMP Compliance report
- Form-V(2022-23)

CC to: The Member Secretary, Chennai  
The Joint chief Environment Engineer, Thirunelveli  
The District Environment 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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**RE SUSTAINABILITY IWM SOLUTIONS LIMITED****VIRUDHUNAGAR****EC No. F.No. 10-77/2012-IA.III Dated: 06.02.2014****EC No. F.No. 21-120/2021-IA.III Dated: 23.02.2022****ENVIRONMENTAL CLEARANCE CONDITIONS COMPLIANCE REPORT****Period of Compliance report: 01.06.2023 to 01.12.2023**

<b>S. No.</b>	<b>Condition</b>	<b>Status / Compliance</b>	<b>Remarks</b>
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<b>Specific conditions</b>			
5. (i)	The "Consent to Establish" shall be obtained from state pollution control board under Air and Water Act before start of any construction work at the site.	Complied.	---
(ii)	Green belt of 15 meters shall be provided all along the periphery of the site. The green belt area shall not be used for any other purpose.	Complied	Last six month period (June 2023 to Nov 2023) 206 plants are planted in our industry. Totally as on date 8612 number of plantations done in our Industry.
(iii)	The width of all internal roads should be 9.0 meters. The entry and exit point should be at different location.	Complied	9.0 meter width internal road provided
(iv)	All measures for air pollution control shall be adopted.	Complied	Fugitive emission system is installed and operating in waste stabilization area. The fugitive emission due to vehicle movement on internal roads is controlled by Sprinkling water through a water tanker.
(v)	Vehicle maintenance unit within the project boundary shall be provided as committed.	Complied	Vehicle maintenance unit provided within the project boundary
(vi)	Rain water runoff from the landfill area and other hazardous waste management area shall be collected and diverted to the leachate treatment plant.	Complied	Garland drain water around landfill is collected in guard pond and based on the lab analysis results, action will be taken.
(vii)	Zero discharge system shall be adopted.	Complied	Total Leachate being evaporated in Solar Evaporation Pan
(viii)	There should not be any spillage from the transportation vehicles.	Noted	No Waste spillage during transportation will be ensured, in case any spillage, it will be cleared by using spill kits.

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<b>S. No.</b>	<b>Condition</b>	<b>Status / Compliance</b>	<b>Remarks</b>
(ix)	The response of the project proponent to the issues raised during the public hearing have to be submitted in form of Environmental Management Plan to the Ministry. A copy shall also be submitted to the Pollution Control Board.	Complied	---
(x)	Double containment system shall be provided for all waste transport vehicles to avoid spillage. The spillage shall be cleared immediately.	Noted	Spill kits are provided to each vehicle.
(xi)	Vehicles should prominently display complaint numbers for use of public as well as antidotes to any toxic wastes.	Complied.	Display of compliant number provided in Form-8 which is being pasted in front side of every vehicle
(xii)	All the recommendations of EMP / DMP shall be strictly complied.	EMP Recommendation points Complied	EMP Compliance report enclosed.
(xiii)	The project proponent will set up separate environmental management cell for effective implementation of the stipulated environmental safeguards under the supervision of a senior executive	Complied	
(xiv)	Untreated domestic effluent should not be discharged into open drain. Till the sewerage system in the Industrial Estate, which is presenting being laid is completed, the domestic effluent should be treated in a well designed septic tank with soak pit, as committed. As soon as the sewerage system is made operational, the domestic effluent from the project should be discharged only into the sewerage system for treatment in terminal STP.	Complied.	Domestic effluent being treated in a well designed septic tank with soak pit within the premises.

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<b>S. No.</b>	<b>Condition</b>	<b>Status / Compliance</b>	<b>Remarks</b>
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<b><u>EC General Conditions</u></b>			
6 (i)	Full support shall be extended to the officers of this Ministry/Regional Office at Bangalore by the project proponent during inspection of the project for monitoring purposes by furnishing full details and action plan including action taken reports in respect of mitigation measures and other environmental protection activities.	Noted,	The unit will extend full support during inspection by officers of this Ministry/Regional Office.
(ii)	A six-monthly monitoring report shall need to be submitted by the project proponents to the regional office of this ministry at Bangalore regarding the implementation of the stipulated conditions	Complied.	Six monthly monitoring reports being submitted.
(iii)	Ministry of environment & Forest or any other competent authority may stipulate any additional conditions or modify the existing ones, if necessary in the interest of environment and the same shall be complied with	Noted	---
(iv)	The ministry reserves the right to revoke this clearance if any of the conditions stipulated are not complied with the satisfaction of the ministry.	Noted	---
(v)	In the event of a change in project profile or change in the implementation agency, a fresh reference shall be made to the ministry of environment and forests.	Noted	---

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<b>S. No.</b>	<b>Condition</b>	<b>Status / Compliance</b>	<b>Remarks</b>
(vi)	The project proponents shall inform the regional office as well as the ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of land development work.	The unit agreed with this condition	---
(vii)	A copy of the clearance letter shall be marked to concerned panchayat/local NGO, if any, from whom any suggestion /representation has been made received while processing the proposal	Noted	---
(viii)	State pollution control board shall display a copy of the clearance letter at the regional office, District industries centre and collectors office/Tehsildar's office for 30 days	Noted	---
7	These stipulations would be enforced among others under the provisions of water(prevention and control of pollution) Act,1974 the air (prevention and control of pollution) Act,1981,the environment (Protection) Act, 1986, the public liability (insurance) Act, 1991 and Hazardous waste (Management, Handling and Trans boundary) Rules, 2008 including the amendments and rules made thereafter	Noted	---

**RE SUSTAINABILITY IWM SOLUTIONS LIMITED  
VIRUDHUNAGAR**

**EC No. F.No. 10-77/2012-IA.III Dated: 06.02.2014**

**EC No. F.No. 21-120/2021-IA.III Dated: 23.02.2022**

**ENVIRONMENTAL CLEARANCE CONDITIONS COMPLIANCE REPORT**

**Period of Compliance report: 01.06.2023 to 01.12.2023**

S. No.	Condition	Status / Compliance	Remarks
8	All other statutory clearance such as the approvals for storage of diesel from chief controller of explosives, Fire department, civil aviation department, Forest conservation act, 1980 and wildlife (protection) Act, 1072 etc. shall be obtained, as applicable by project proponents from the respective competent authorities.	Complied.	The unit got the approval from statutory department as applicable.
9	The project proponent shall advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded Environmental clearance and copies of clearance letters are available with the Tamil Nadu pollution control board and may also be seen on the website of the ministry of environment and forest at <a href="http://www.envfor.nic.in">http://www.envfor.nic.in</a> . the advertisement should be made within 10 days from the date the clearance letter and a copy of the same should be forwarded to the regional office of this ministry at Bangalore.	Complied.	-----
10	This clearance is subject to final order of the Hon'ble Supreme court of India in the matter of Goa Foundation Vs. Union of India in Writ Petition (Civil) No.460 of 2004 as may be applicable to this project.	Noted	----
11	Any appeal against this clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under section 16 of the National Green Tribunal Act 2010.	Noted	---

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<b>S. No.</b>	<b>Condition</b>	<b>Status / Compliance</b>	<b>Remarks</b>
12	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, ZillaParisad / Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions / representations, if any were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent	Noted	-----
13	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional office of MoEF, the respective Zonal office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO <sub>2</sub> , NO <sub>x</sub> , (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Complied	The unit has been uploaded the status of compliance of the stipulated EC conditions, including results of monitored data in our website.  Monitoring data sending to CPCB, TNPCB, MoEF every quarter through Annexure-4.  The criteria pollutant levels namely; SPM, RSPM, SO <sub>2</sub> , NO <sub>x</sub> , (ambient levels as well as stack emissions) are displayed near main gate of our industry.
14	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional office of MoEF, the respective Zonal office of CPCB and the SPCB.	Complied.	Status of compliance of the EC conditions is being sent to MoEF every six month.

RE SUSTAINABILITY IWMSOLUTIONSLIMITED  
VIRUDHUNAGAR

EC No. F.No. 10-77/2012-IA.III Dated: 06.02.2014

EC No. F.No. 21-120/2021-IA.III Dated: 23.02.2022

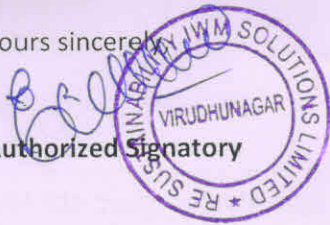
ENVIRONMENTAL CLEARANCE CONDITIONS COMPLIANCE REPORT

Period of Compliance report: 01.06.2023 to 01.12.2023

S. No.	Condition	Status / Compliance	Remarks
15	The environmental statement for each financial year ending 31 <sup>st</sup> March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.	Complied and being followed. Last year Form-V (2022-23) submitted to your good office on 05.06.2023.	Form-V(2022-23) enclosed.

Yours sincerely,

Authorized Signatory





## Re Sustainability IWM Solutions Ltd. – Virudhunagar

### EMP Compliance Report as on Nov-2023

S.NO	Potential Impact	Compliance Status
<b>Environmental Management During Construction</b>		
1.	<ul style="list-style-type: none"> <li>• Air Quality Mitigation Measure</li> <li>• Water Quality Mitigation Measure</li> <li>• Noise Mitigation Measures</li> <li>• Solid Waste Mitigation Measures</li> <li>• Ecological Aspects</li> <li>• Site Security</li> </ul>	<p>Construction work completed, the unit is established and operation started from 23<sup>rd</sup> Dec 2016 onwards. The stipulated measures were compiled during construction period.</p>
<b>Management During Operation Stage</b>		
2.	<p>The main activities from the proposed project which cause air pollution are as follows:</p> <p>Air Quality Management</p> <ul style="list-style-type: none"> <li>• Incinerator stack emissions</li> <li>• Power plant &amp; DG set stack emissions</li> <li>• Dust particulates due to movement of vehicles and road sweepings</li> <li>• Temperature &amp; Odour from Compost plant</li> <li>• Odour &amp; Gas generation from secured landfill</li> </ul>	<ul style="list-style-type: none"> <li>• Incinerator facility not available at this site</li> <li>• DG set of 63 KVA provided with a stack height 9 Meter meeting CPCB Guidelines for proper dispersion of sulfur dioxide and oxides of nitrogen.</li> <li>• Dust particulates due to movement of vehicles and road sweepings are controlled by sprinkling of water through water tanker</li> <li>• Compost Plant process is not applicable at the facility as it is a Hazardous waste Treatment storage &amp; disposal facility</li> <li>• Covering the landfill area under operation daily with layer of soil and tarpaulins to minimize the odor.</li> <li>• Gas vent pipes provided in capped landfill and every month monitored the VOC and records maintained.</li> </ul>

3.	<p>Water Quality Mitigation Measures</p> <ul style="list-style-type: none"> <li>• The main wastewater generation sources in the proposed project are domestic wastewater, leachate generation from secured land fill (hazardous waste) area, vehicle wash area, etc.</li> <li>• The domestic waste water will be treated in septic tank followed soak pit or in portable STP, the treated water will be used for greenbelt development.</li> </ul>	<ul style="list-style-type: none"> <li>• Leachate generation from secured landfill, vehicle wash etc being evaporated in solar evaporation pan.</li> <li>• Domestic waste water treated in septic tank followed soak pit.</li> </ul>
4.	<p>Noise Mitigation Measures</p> <p>The main sources of noise generation is due movement of vehicles carrying waste, all vehicle (drivers) entering into the project will be informed to maintain speed limits, and not blow horns unless it is required. Necessary speed controlling bumps will be placed near weighbridge and entrance of the site.</p> <p>The other areas where noise generation is anticipated is Incinerator section, power plant area, DG set room, necessary personal protective equipment like earmuffs, helmets covering ears would be provided to the workers working near noise generating equipment and would see that workers use the protective gadgets regularly. Regular maintenance of the equipment will be carried out as per the schedule given by suppliers. The noise pollution management</p>	<p>The main sources of noise generation is due movement of vehicles carrying waste, all vehicle (drivers) entering into the project being controlled to maintain speed limit and not use blow horn unless required by provided speed limit signage board and proper training given to drivers.</p> <p>Acoustic Enclosed with DG stack to reduce the noise.</p> <p>Other than the regular maintenance of the various equipment, ear plugs are provided to the personnel close to the noise generating units</p>

	<p>measures proposed are given below.</p> <ul style="list-style-type: none"> <li>• Acoustic Enclosure for all the high noise level equipments</li> <li>• All the design/installation precautions as specified by the manufacturers with respect to noise control are strictly adhered to</li> <li>• Major noise generating sources are insulated adequately by providing suitable enclosures</li> <li>• Other than the regular maintenance of the various equipment, ear plugs are provided to the personnel close to the noise generating units</li> <li>• All the opening like covers, partitions are designed properly</li> </ul>	
5.	<p>Solid Waste Mitigation Measures</p> <ul style="list-style-type: none"> <li>• The ash coming from incineration plant area will be used as daily cover in secured landfill</li> <li>• The sludge generated in the leachate pond/ solar pond will be sent to secured land fill</li> </ul>	<ul style="list-style-type: none"> <li>• The incinerator facility not available at this site</li> <li>• The sludge generated in the leachate pond/ solar pond being sent to secured land fill based on the lab given disposal path.</li> </ul>
6.	<p>Occupational Health &amp; Safety</p> <ul style="list-style-type: none"> <li>• Periodic health checkup for early detection and control of communicable diseases</li> <li>• Will provide preventive measures for potential fire hazards with requisite fire detection,</li> </ul>	<ul style="list-style-type: none"> <li>• Health checkup for all employees conducted every year and based on the report, medical advice is received where ever applicable.</li> <li>• The unit provided preventive measures for potential fire hazards with requisite fire detection, firefighting facilities and adequate water storage, etc.</li> </ul>

	firefighting facilities and adequate water storage, etc.	
<b>Post Operation of Landfill</b>		
7.	<p>Landfill maintenance</p> <ul style="list-style-type: none"> <li>• After closure of the landfill, the integrity of the final cover will be maintained, if any repairs required it will be rectified as necessary</li> <li>• After closure of the landfill, shall continue Leachate, gas and surface water management as well as environmental monitoring of the landfill for a period of 30 years or until harmful leachate is not produced for 5 continuous years</li> <li>• After few years of closure, the leachate is observed to meet all discharge standards, the same shall be discharged directly to lined drains</li> <li>• The landfill shall be abandoned after 30 years of closure if concentrations of contaminants in all liquid and gaseous emissions from the landfill are observed to be below prescribed limits.</li> </ul>	<p>The unit is under operation, once the operation completed, The stipulated measures will be compiled</p>

Dated: 05<sup>th</sup> June, 2023

RSIWMSL VDR/TNPCB/2023-24/20

To

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



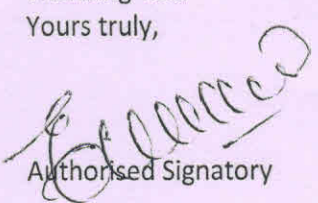
**Subject:** RSIWMSL VDR - CHWTSDF-Submission of Form V of 2022-2023 Regarding

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,  
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Certificate Reg No: 44 100 20392865 (ISO 9001: 2015)  
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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 31<sup>st</sup> 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**

<b>Water Consumption</b>	<b>During the previous financial year (2021-22) in KL</b>	<b>During the current financial year (2022-23) in KL</b>
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]

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

**PART – E  
SOLID WASTE**

<b>Solid waste</b>	<b>Total quantity (Kg)</b>	
	<b>During the financial year(2021-22)</b>	<b>During the financial year(2022-23)</b>
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

