



Regd.No 256/2002

INDUSTRIAL WASTE MANAGEMENT ASSOCIATION



22nd ANNUAL GENERAL MEETING ANNUAL REPORT

2023-2024



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Chairman's Message



Dear Members,

I am delighted to present to you our 22nd Annual Report for FY 2023-24. I am grateful to office bearers, executive committee members and secretariat for making this happen. This is a testament to the unwavering determination of our team to help industries succeed in their mission.

This year, our association organised various kinds of CSR activities namely, ENVIRO, YES, E-waste awareness in Chennai along with teachers' workshop and OHS camp, to raise awareness on the soaring electronic waste – one of the growing threats to our planet, making it one of the successful programs of the year.

We have successfully conducted two prominent CSR programs, ENVIRO and Young Environmental Scientist (YES), which are exclusively for school students to embed environmental awareness and innovations into the young minds of future generation. 13th edition of ENVIRO in collaborating with Science Olympiad Foundation (SOF) and 10th edition of Young Environmental Scientist (YES) 2023-24, Also we are progressing toward the Young Environmental Scientist 2024-25 for Chennai and Coimbatore.

We have also organized following training programs, Seminars for manufacturing sector namely “Green Industrial Growth and Climate Resilience” and “Streamlining Sustainable in Textile Manufacturing & Processing” to promote holistic, sustainable solutions aimed at providing long-term value for the manufacturing industries. Based on the feedback from industries, we provide remote assistance to them by connecting field experts to instruct and guide on updates and certain regulations for our member industries. This year, we conducted webinars on “Introduction to CII GreenCo Rating System”.

I am proud of the work that we have delivered this year to support our members and to make positive contributions to the society we live in. I would like to thank my fellow office bearers, executive

committee, all employees of secretariat, member industries and our service provider for their hard work, enthusiasm, and perseverance.

With best personal regards and thanks,

Yours sincerely,



Mr. K. Baskaran, Chairman, IWMA.

Secretary's Message



SECRETARY'S REPORT

I am pleased to share the insights and experiences of the financial year 2023-24.

We strive to be the best in providing services to our members by focusing relentlessly and maintaining a strong operational rigour. This can be seen in our growth of our members and their determined support to us. I feel happy to share that our member industries grew to 3632 as on 31st March 2024.

I'd like to thank executive committee, our member industries, secretariat team and service provider for their active support and unshakeable trust in our abilities to deliver our promise.

SERVICES OF IWMA

- ❖ Technical clarifications to industries on disposal of Hazardous Waste and other Environmental concerns.
- ❖ Providing updates on change in Environment Regulations to members (through website, training programs, seminars, and webinars).
- ❖ Guidance for submission of Consent Order application to TNPCB.
- ❖ Working with Educational Institutions and Universities to establish Training Courses.
- ❖ Signed MoU with PSG-IAS, Coimbatore on technical and Programme collaborations.
- ❖ Signed MoU with Dr. MGR Educational and Research Institute on technical and Programme collaborations.
- ❖ Signed MoU with Sri Ramachandra Institute of Higher Education & Research (SRIHER) on technical and programme collaborations.

- ❖ Signed MoU with Rajalakshmi Engineering College on technical and programme collaborations.
- ❖ Signed MoU with CII-GBC to promote GreenCo Ratings to IWMA member industries.
- ❖ Signed MoU with IEAC-IIT Madras to do Energy Assessment for member industries.
- ❖ Young Environmental Scientist (YES) programme to bring out the innovative thoughts of students to shape them as projects serving the society as well as industries.
- ❖ ENVIRO – to inculcate and honour the novel ideas of students in art forms to protect the environment.

EXECUTIVE COMMITTEE

IWMA has a powerful and adept Executive Committee consisting of professionals, industrialists, specialists, and domain experts to lead the association. IWMA conducts EC meetings monthly to make key decisions and solving challenges to steer the association towards greater success.

I would like to extend my gratitude to office bearers, executive committee members for their contributions and counsel. Last but not least, I would like to show appreciation to secretariat team for their hard work and support.

OPERATIONS OF CHWTSDF

1. Gummidipoondi Facility

The CHWTSDF facility at Gummidipoondi SIPCOT is the first TSDF established in Tamil Nadu in 2007. It has been operational since then. IWMA owns the land, and the operations are handled by Re Sustainability Limited (RE) formerly known as Tamil Nadu Waste Management Limited (TNWML) who was selected through competitive bidding.

During 2023-24, Cell 8-A and Cell 9 was in operation and handled 99,865 MT of landfill wastes. Furthermore, 3,484 MT of incinerable waste and 11,848 MT of AFRF waste were handled at the CHWTSDF.

In addition, Cell 10 construction completed and inaugurated on 27th July 2024. We have started the operation of Cell 10 from 27th July 2024.

Furthermore, IWMA technical team conducts audit periodically to ensure that they are in compliance with the latest environmental norms.

2. Bargur Facility

IWMA established a new ICHWTSDf facility at Bargur, Krishnagiri district to facilitate the disposal of hazardous waste from the western region of Tamil Nadu, where 30% of IWMA members are present, with shorter transportation distance. Also, Bargur facility will reduce the burden and lack of space at Gummidipoondi facility.

During November 2019, IWMA has leased 25 acres of land in its name at Bargur SIPCOT for establishment of ICHWTSDf. Cell 1 construction completed and inaugurated on 29th June 2023. We have received the Consent-to-Operate (Air & Water) on 25th March 2023, also we received the Hazardous Waste Authorization on 12th June 2023. We have started the operation of Cell 1 from 29th June 2023.

During 2023-24, Cell 1 was in operation and handled 8,942 MT of landfill waste and 461 MT of AFRF waste at the ICHWTSDf. Currently Cell 2 is under construction.

3. Virudhunagar Facility

The TSDf facility at Virudhunagar facility is owned and operated by RE and they began the operation in December 2016 with Cell 1.

Despite the facility being owned by RE, IWMA is permitted to do periodic audit of the facility as per agreement.

During the 2022-23 period, Cell 1C at Virudhunagar facility was in operation and handled 16,617 MT of landfillable waste. Cell 2A construction completed, inaugurated, and started operations on 15th March 2023 and handled 2,059 MT of landfillable waste.

COORDINATION WITH GOVERNMENT BODIES

TNPCB

IWMA has amicable relationship with TNPCB, and we are glad to inform you that IWMA is playing a crucial role in Monitoring Committee of Hazardous Waste formed by TNPCB as per the directives of Green Tribunal and MoEFCC. Periodical meetings are being conducted to ensure that everything is in order.

We would like to thank TNPCB Officials for guiding us on many environmental aspects.

SIPCOT

IWMA maintains cordial relationship with SIPCOT. We thank SIPCOT officials for allocating additional land at Gummidipoondi facility and new land at Bargur facility.

SECRETARIAT ACTIVITIES

Own Head Office

Since 05th April 2019, IWMA Secretariat is operating in our own office located at Koyambedu, Chennai. It is with huge pride that we are conducting our EC Meetings in our new venue.

Own Branch Office

IWMA members are growing multi fold. Hence to service our members better, Executive Committee decided to establish a branch office outside Chennai. During December 2019 EC meeting, EC deliberated various options and finalised Erode as next town for opening branch office. It is done based on the following reasons. Firstly, next to Chennai region, maximum concentration of active members is in western region, for which Erode will be centre point. In the forthcoming year, we are planning to build our Branch Office in the land that is bought specifically for this purpose.

Project Activities

Our Technical team from Secretariat is always at the disposal of our members to resolve their queries regarding safe disposal of their hazardous wastes. In addition, our technical team works with interested individual member industries to do Energy Assessments, GreenCo Certification and also solve their specific problems. In Financial Year 2023 to 2024, IWMA member industry, **M/s Danavarshini**

Exports Private Limited, Perundurai was selected for IWMA Grant to go for CII GreenCo certification, and this industry successfully completed the CII GreenCo certification process and achieved the **Silver Rating**.

To help its members, IWMA has tied with reputed academic institutions like IIT Madras, PSG College of Technology; research bodies like Centre for Urban Buildings and Environment (CUBE) - IIT Madras, Industrial Energy Assessment Cell (IEAC) - IIT Madras, CII-Sohrabji Godrej Green Business Centre (CII GBC), and reputed consultants. All members are requested to make use of these resources through IWMA Secretariat.

Training Activities

IWMA regularly conducts training activities for the benefit of its members to update them about the latest environmental guidelines and the new innovations that are happening in environmental engineering. IWMA has conducted two seminars, a webinar and a workshop as the training activities for this year, such as “Seminar on Green Industrial Growth and Climate Resilience” at SRMC Seminar Hall, SRIHER, Chennai, “Seminar on Streamlining Sustainability in Textile Manufacturing & Processing” at D’Wayfarer Inn, Erode and “Workshop on Capacity Building for Fostering Climate Resilience” at SRMC Seminar Hall, SRIHER, Chennai, and “Webinar on Introduction to CII GreenCo Rating System” to promote awareness on the sustainable solutions to the Industries and Schools.

CSR ACTIVITIES

Firecracker Disposal

Greater Chennai Corporation regularly requests us to accept the Firecracker wastes and dispose it at our Gummidipoondi CHWTSDF during every Diwali Festival. In the year 2023, 499.87 MT of firecracker wastes from 15 zones were safely disposed.

E-waste Awareness

IWMA has successfully completed an “E-waste awareness” at Chitlapakkam, Chennai. We had an astounding participation of over 100 student volunteers. We ended the day with a satisfaction of

collecting 1 Ton of electronic waste which have been delivered to TES-AMM India Pvt Ltd for recycling of waste.

OHS Camp

In collaboration with SRIHER, IWMA has successfully organized the Occupational Health Camp at RSIWMSL, Gummidipoondi. The event had been featured with inauguration along with a Mime, followed by tree plantation. 90+ Beneficiaries were participated and recorded their health check-up details. Clinical Report had shared to beneficiaries within two weeks of the event. Follow-up counselling session will take place based on the severe outcome of negative results.

Young Environmental Scientist (YES) & ENVIRO Programmes

Since 2012, IWMA is conducting YES Programme to bring out creative solutions from school students for day-to-day environmental issues. At YES 2023-24 Chennai, over 150+ application received from 62 schools and 64 projects were presented after scrutinized. YES CBE & YES CHE, for FY 2023-24, has been launched and event preparation is underway.

Since 2009, IWMA is conducting ENVIRO, an environmental awareness program to promote the importance of environment protection among school children. In 2024, “ENVIRO 2024” on 27th and 28th July at IIT Madras. Around 150 schools and over 450 students participated in ENVIRO competitive events like Fun with crayons, Written Quiz, Brochure Designing & 60 seconds short films.

With best wishes,

Sincerely,



Mr. N. Palanisamy, Secretary, IWMA.

**EXECUTIVE COMMITTEE FOR THE YEAR 2022-23 WITH
 PHOTOGRAPHS**

Chairman Mr. Baskaran K Managing Director Aarthi Industries	
Vice Chairman Mr. Rajan C.S Vice President Iljin Automotive Private Limited	
Secretary Mr. Palanisamy N Managing Director Aruna Textile Processing Mills	
Joint Secretary Mr. Thiyagarajan M Deputy Manager - Special Projects Brakes India Ltd. (Unit 36)	
Treasurer Mr. Suresh Kandi Manoharan Partner Indi Enterprises	

EXECUTIVE COMMITTEE MEMBERS FOR THE YEAR 2022-2023

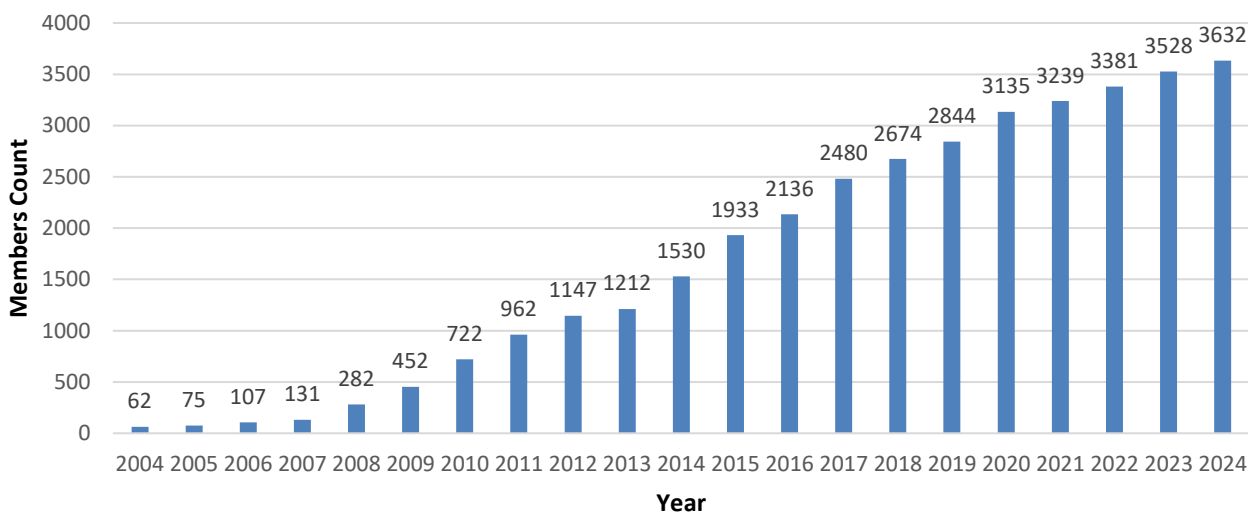
<p>Mr. George N.C</p> <p>DGM Environment Solara Active Pharma Science Ltd.</p>	
<p>Mr. Govaradhan R</p> <p>Associate Vice President Rane Brake Lining Limited</p>	
<p>Mr. Jagannathan K</p> <p>Managing Director Silver Cover Metal Coatings</p>	
<p>Mr. Manikandan K</p> <p>Junior Works Manager/Safety Officer Heavy Vehicles Factory.</p>	
<p>Mr. Mohammed Khaleel T</p> <p>COO (Chief Operating Officer), Managing Partner EKM Leather Processing Co.,</p>	

<p>Mr. Natarajan K</p> <p>Proprietor Divya Engineering Works</p>	
<p>Mr. Purushothaman P.E</p> <p>Director SSM Processing Mills Limited</p>	
<p>Mr. Senthil Murugan E</p> <p>Purchase Manager Rialto Enterprises Pvt. Ltd.</p>	
<p>Mr. Vishnu Prabhu J</p> <p>Director Sri Suriyodhayaa Processing Pvt. Ltd.</p>	

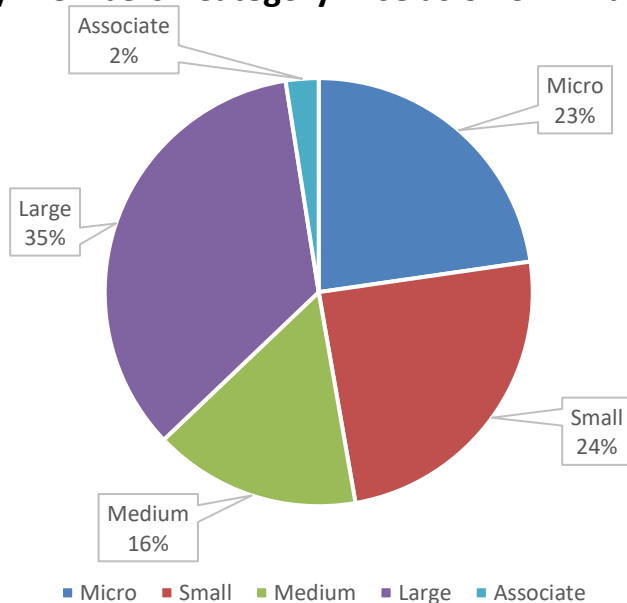
Auditor	:	Mr. H. Chandrasekaran, Varadarajan & Co.
Advisor- Projects	:	Mr. K. Sivaraman
<u>Secretariat:</u>		
Deputy Manager - Operations	:	Mr. P. Muthukumar
Executive – CSR & Training	:	Mr. D. Dharanidharan
Engineer – Technical	:	Mr. D. Jeriel
Trainee Engineer	:	Mr. S. Darwin Dayanandhan
Trainee Engineer	:	Mr. V. Paneer Selvam
Trainee Engineer	:	Mr. S. Sameer Ahmed
Executive – Accounts	:	Ms. A. Vincy Maria Angel
Executive – Membership	:	Ms. M. Yamini
Executive – Membership	:	Ms. K. Geetha

MEMBERSHIP PROFILE

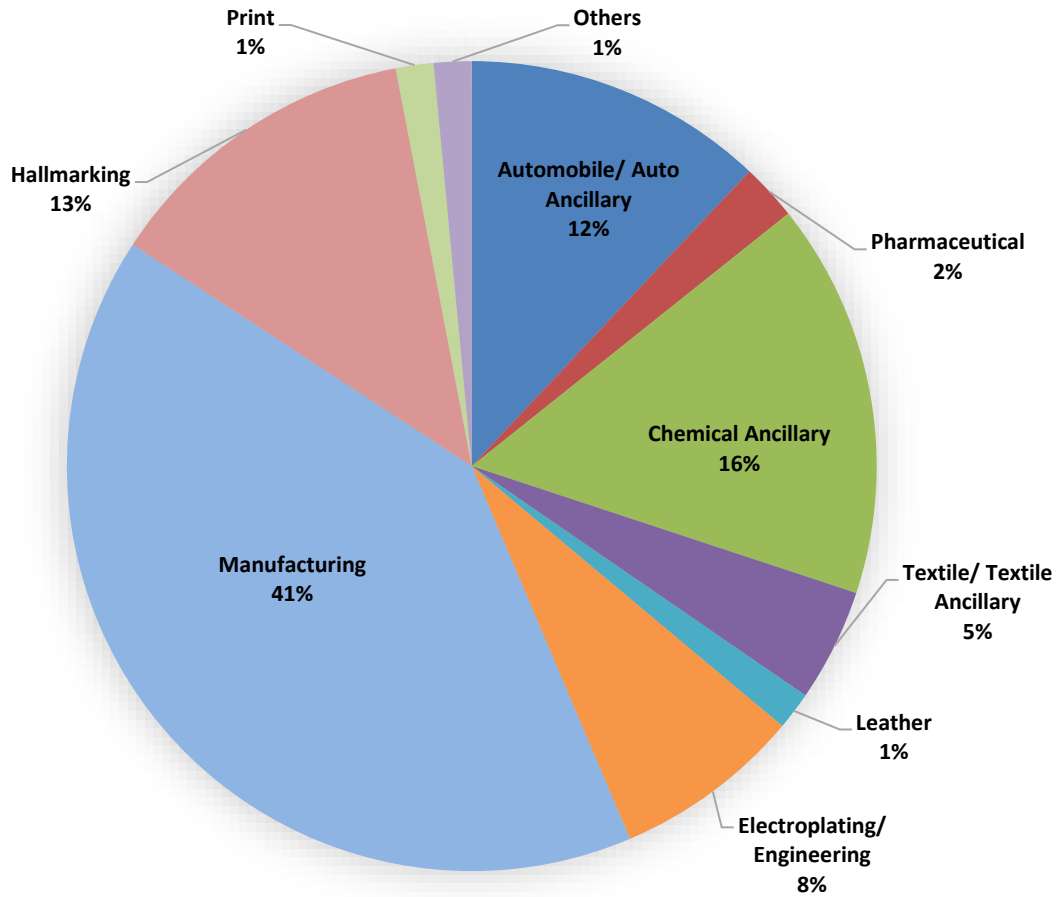
Industry Members Growth as on 31st March 2024



Industry Members - Category wise as on 31st March 2024



INDUSTRY MEMBERS - SECTOR WISE AS ON 31st MARCH 2024



TRAINING ACTIVITIES

1. Webinars

IWMA conducted a webinar on CII GreenCo Rating System. The webinar gave the brief information on the certain updates focused on the MSMEs & Industries, which enables the wide range of inputs given by the Field Experts. IWMA is planning to conduct more webinars based on the current amendments & regulations the needs and feedback from the industries.

Sl. No	Date	Topic of the Webinar	No. of Participants
1	7 th Oct '23	Introduction to CII GreenCo Rating System	73

2. Workshop

Additionally, we conducted a workshop on Capacity Building for Fostering Climate Resilience for Teachers. It targets the institution professionals to create awareness on Climate Resilience, which focuses on the active participation from the student level.

Sl. No	Date	Topic of the Workshop	No. of Participants
1	17 th Feb 2024	Capacity Building for Fostering Climate Resilience	81

Workshop on Capacity Building for Fostering Climate Resilience



3. Seminars

The seminar consists of various technical sessions addressing Climate Resilience and focusing on sustainable growth within the industries through resource conservation, energy efficiency and waste management etc. and Guidance for GreenCo certification process to the member industries. IWMA conducted two seminars during this period, as follows.

Sl. No	Date	Topic of the Webinar	No. of Participants
1	16 th Feb 2024	Green Industrial Growth and Climate Resilience	62
2	24 th August 2024	Streamlining Sustainable in Textile Manufacturing & Processing.	85

Seminar on Green Industrial Growth and Climate Resilience



Seminar on Streamlining Sustainable in Textile Manufacturing & Processing



CSR ACTIVITIES

1. Firecracker Disposal

IWMA took up the request from Greater Chennai Corporation to accept the Firecracker wastes generated in the year 2023 and dispose it at our Gummidipoondi CHWTSDF during every Diwali Festival. In the year 2023, 499.87 MT of firecracker wastes from 15 zones were safely disposed.

2. OHS Camp

IWMA along with SRIHER has successfully organized the camp with positive feedback from the participants. The event had been started with an Inauguration along with a Mime, followed by tree plantation. 92 Beneficiaries from various departments were participated and recorded their presence in health check-up and Spot counselling. Clinical Report had provided to beneficiaries within two weeks. Follow-up counselling session was done to the severe outcome of negative results among the participants.



Fig C2.1: Awareness on OHS (Mime)



Fig C2.2: Test Camp Drive



Fig C2.3: Occupational Health Checkup

3. E-waste Awareness

E-waste Awareness event was held to shed light on the growing issue of electronic waste and its environmental impact. the event featured a part of interactive demonstrations and rally campaign aimed at educating participants about the proper disposal and recycling of electronic devices. As a part of CSR activities because of our longstanding commitment to society and environment. We have successfully completed the E-waste awareness at Chitlapakkam, Chennai (fig C3.1). The program was conducted successfully in the month of Jan. It reached throughout the locality of Chitlapakkam and over 100 student volunteers from Colleges & Schools. We have managed to collect around 1 ton of electronic wastes which has been handed over to TES-AMM India Pvt Ltd for recycling of wastes (fig. C3.2).



Fig C3.1: E-waste collection drive & Rally in Chitlapakkam.



Fig C3.2: Successful completion of E-waste awareness campaign

4. ENVIRO 2024

After a Successful restart from last year, IWMA conducted the program with the collaboration of Science Olympiad Foundation (SOF) called ENVIRO. A two-day environmental awareness program for the school children since 2009. Competitions were held to promote the importance of environmental awareness among school students. Dr. B. Chandrasekaran, Former Director and Distinguished Scientist, CLRI was the chief guest of ENVIRO 2024. This Year, 13th ENVIRO 2024 was conducted at IC&SR Auditorium, IIT Madras on 27th and 28th July 2024. Around 150 schools & Over 450 students in and around Chennai took part in the event.

ENVIRO 2024 Competitive events such as following.

- | | | |
|-------------------------------|---|--------------|
| a. Fun with Crayons | - | Juniors |
| b. Written Quiz (Environment) | - | Middle |
| c. Brochure Designing | - | Senior |
| d. 60-second Short Film | - | Super Senior |



Fig C4.1: 13th ENVIRO - 2024



Fig C4.2: Chief Guest addressal



Fig C4.3: Winners of ENVIRO 2024

5. Young Environmental Scientist 2023-24

After a couple of years gap, IWMA restarted the program named Young Environmental Scientist (YES). Young Environmental Scientist (YES) is an inter-school research-oriented competition for school students (Classes between 8th and 12th) since 2012. This program motivates the young minds to innovatively contribute to the future generation. After the launch of YES 2023-24 in July 2023, it has passed various journeys to reach the Grand Finale on 10th February 2024. Initially, it invited 110+ applications from various schools across Chennai. The shortlisted top 64 applications (43 Juniors & 21 Seniors) were invited to present in their first mentoring session in presence of Industries expertise & Professors from IIT, Madras in the month of 06th Nov 2023. Of which 34

teams (18 juniors & 16 seniors) were screened for further progress. Shri. V. Gnana Gandhi, Former Associate Director, ISRO was the chief guest of YES 2023-24.



Fig C5.1: YES CHE 2023-24



Fig C5.2: Display visit by Chief Guest

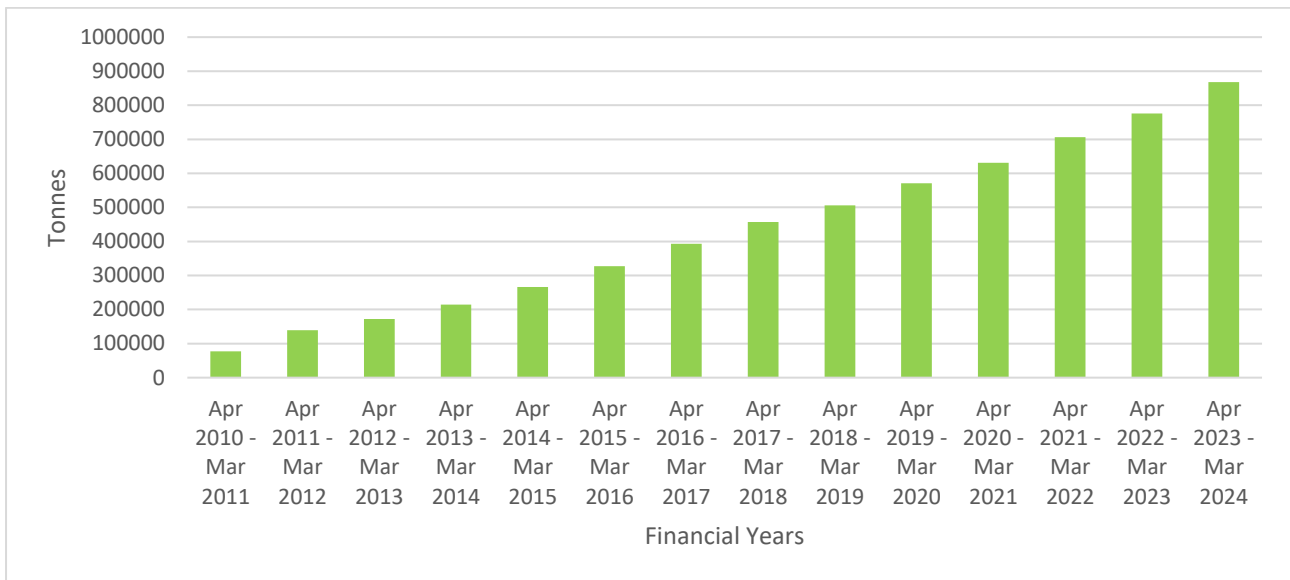


Fig C5.3: Winners of YES CHE 2023-24

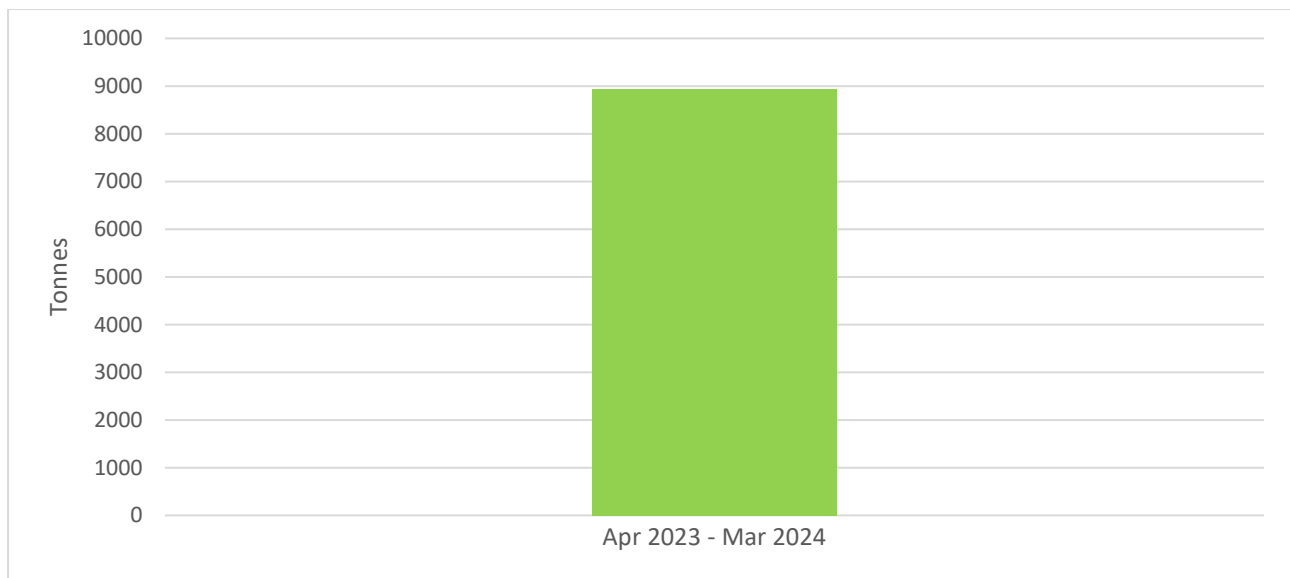
IWMA also resumed the program Young Environmental Scientist (YES) in Coimbatore as well. The groundwork for Young Environmental Scientist 2024-25 has been started. Application form and Brochures has been sent for circular among schools in and around Coimbatore. Follow ups are being done.

CHWTSDF DETAILS

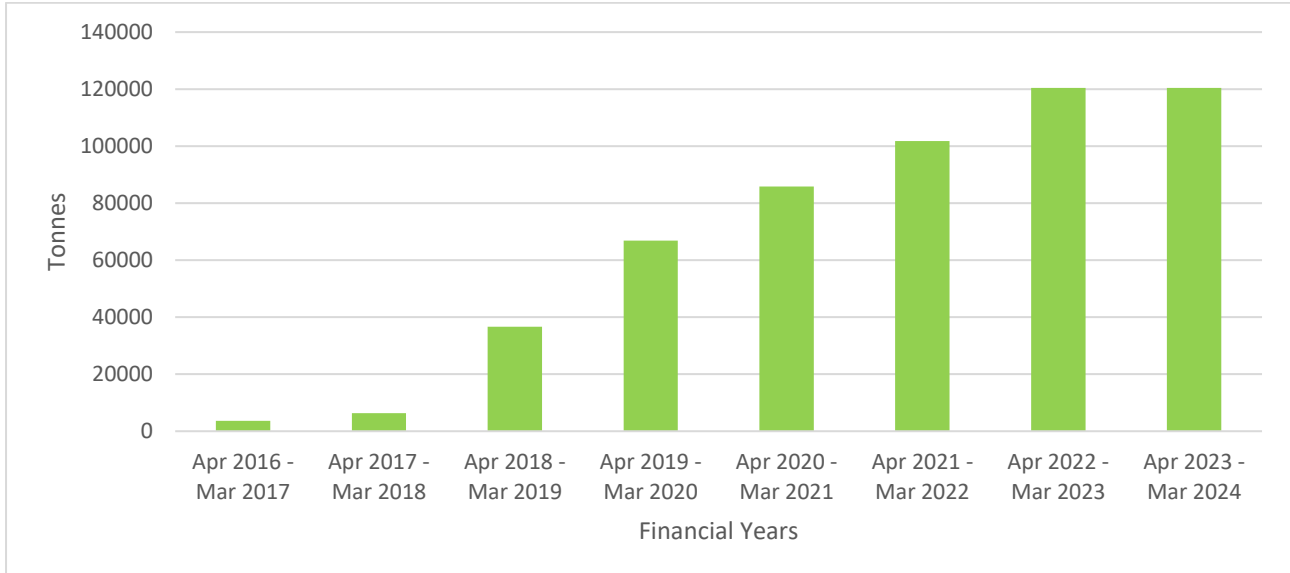
CUMULATIVE REPRESENTATION OF HAZARDOUS WASTE DISPOSAL AT CHWTSDF – GUMMIDIPOONDI



REPRESENTATION OF HAZARDOUS WASTE DISPOSAL AT CHWTSDF – BARGUR



**REPRESENTATION OF HAZARDOUS WASTE DISPOSAL AT CHWTSDF -
 VIRUDHUNAGAR**



**COMMON HAZARDOUS WASTE TREATMENT, STORAGE AND DISPOSAL FACILITY
 (CHWTSDF) ESTABLISHMENT & OPERATION – GUMMIDIPOONDI**

<p>Common Hazardous Waste Treatment, Storage and Disposal Facility</p>	<p><u>Location:</u> SIPCOT, Gummidipoondi, Thiruvallur District, Tamil Nadu. <u>Land Area:</u> ~ 27 Acres</p> <p><u>Facilities:</u></p> <ul style="list-style-type: none"> • Total Landfill Disposed quantity: 99,865 MT <p>Cell 1 - Completed Cell 2 - Completed Cell 3 - Completed Cell 4 - Completed Cell 5 - Completed Cell 6 - Completed Cell 7 - Completed Cell 8 - Completed Cell 8A - Completed Cell 9 - Under operation Cell 10 – Operation started on 27th July 2024</p> <ul style="list-style-type: none"> • Total Incinerator Disposed quantity: 3,484 MT • Total AFRF Disposed quantity: 11,848 MT <p><u>Capacity:</u> 3,00,000 TPA for Landfill 1.5 Tons/Hour for Incinerator 50,000 TPA for AFRF</p> <p><u>Land Owned by:</u> IWMA. <u>Service Provider:</u> Re Sustainability Limited, Chennai (formerly known as Ramky Enviro Engineers Ltd)</p> <p><u>Additional land area:</u> 26 Acres:</p> <ul style="list-style-type: none"> • Greenbelt development. • IIT Baseline study completed. • Site construction completed, Ready for the operations. <p><u>Facilities:</u></p> <ul style="list-style-type: none"> • Landfill • AFRF • E - Waste Recycling Facility • Paper & Plastic Recycling Facility • Waste oil/used oil Recovery Facility • Spent Solvent Recovery Facility
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INTEGRATED COMMON HAZARDOUS WASTE TREATMENT, STORAGE AND DISPOSAL FACILITY (ICHWTSDF) ESTABLISHMENT & OPERATION – BARGUR

<p>Integrated Common Hazardous Waste Treatment, Storage and Disposal Facility</p>	<p><u>Location:</u> S.F. No. Plot No. 141 A, 142 and 143. SF No. 726 (Part) Balethottam village, Pochampalli Taluk, Krishnagiri Dt- 635206. Tamil Nadu.</p> <p><u>Land Area:</u> ~ 25 Acres</p> <p><u>Facilities:</u> <u>Total Landfill</u> Cell 1 – Under Operation. Cell 2 – Under Construction <u>Capacity:</u> 250000 TPA for Landfill</p> <p><u>Available Facilities:</u></p> <ul style="list-style-type: none"> • AFRF • Bio - Medical Facilities • Paper & Plastic Recycling Facility • Waste oil/used oil Recovery Facility • Spent Solvent Recovery Facility <p><u>Project Promoter:</u> IWMA & Re Sustainability Limited</p> <p><u>Service Provider:</u> Re Sustainability Limited, Bargur.</p>
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COMMON HAZARDOUS WASTE TREATMENT, STORAGE AND DISPOSAL FACILITY
(CHWTSDF) ESTABLISHMENT & OPERATION – VIRUDHUNAGAR

<p>Common Hazardous Waste Treatment, Storage and Disposal Facility</p>	<p><u>Location:</u></p> <p>S.F. No – 135 to 140,143 to 148,152 Undurmikidakulam, Tiruchuli -TK Virudhunagar Dt.-630611 Tamil Nadu.</p> <p><u>Land Area:</u> ~ 75 Acres</p> <p><u>Facilities:</u></p> <ul style="list-style-type: none"> • <u>Total Landfill</u> <u>Disposed quantity:</u> 18,676 MT - March 2023 Cell 1 - (1A, 1B, 1C) Cell 1A – Completed. Cell 1B – Completed. Cell 1C - Completed. Cell 2A - Under Operation <p><u>Capacity:</u> 240000 TPA for Landfill</p> <p><u>Project Promoter:</u> IWMA & Re Sustainability Limited</p> <p><u>Service Provider:</u> Re Sustainability Limited, Virudhunagar</p> <p><u>Consent to Establishment</u></p> <ul style="list-style-type: none"> • AFRF - 10000 TPA • CTO for AFRF Application under progress with TNPCB <p><u>Environmental Clearance</u></p> <ul style="list-style-type: none"> • Bio - Medical Facilities • Paper & Plastic Recycling Facility • Waste oil/used oil Recovery Facility • Spent Solvent Recovery Facility
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PROJECTS – Industry Interface

IWMA is committed to supporting its member industries by providing solutions to the environmental related problems in the industries through its dedicated project team. IWMA brings together the expertise of its project team, reputed academic institutions like IIT Madras & their centers such as Industrial Energy Assessment Cell, PSG Coimbatore & PSG-STEP, non-governmental organizations like CII- GBC, Hyderabad, and domain experts to find solutions that benefit the industry and the society.

Energy Assessment:

Energy is one of the major inputs for the economic development of any country. The consumption of energy is increasing at a fast pace while available resources remain limited. The global need for energy is increasing on an average by about 2.4 % every year. Energy consumption also has a significant impact on our natural environment. There is clear evidence that climate change is caused by human activity, mostly related to the use of energy. The combustion of hydrocarbon-based fuels in industrial activity generates by-product materials, many of which are air pollutants. The principal emissions which impact on the air environment are carbon dioxide (CO₂), particulate matter (dust), Sulphur oxides (SO_x), nitrogen oxides (NO_x), hydrocarbons, and carbon monoxide (CO). The main sources of CO emissions are due to incomplete combustion of fuels. Both SO_x and NO_x emissions have been identified as major air pollutants globally as they lead to acid rain which is a trans-boundary environmental issue. Carbon dioxide resulting from oxidation of carbon in fuels during combustion dominates the total emissions, it is considered as a major contributor to global warming and climate change.

To address this issue IWMA helps the member industries to reduce their environmental impact by adapting energy efficiency, energy conservation and sustainability solutions through Energy Assessment. IWMA engages the Industrial Energy Assessment Cell (IEAC) at IIT M to carry out the energy assessment to the eligible and interested member industry of MSME category at free of cost.

In Financial year 22-23, IWMA project team has been successfully completed energy assessment for Textile, Electro-plating, Cardboard manufacturing, and Dyeing industries along with IEAC team. The recommended or Potential achievable savings of the industry are mentioned below.

Total Electrical Energy Savings achievable (Fig 1)	= 1143.84 MWh
Total Fuel Savings achievable (Fig 2)	= 3001.77 t
Total CO ₂ reductions achievable (Fig 3)	= 5456 t of CO ₂
Total Cost savings achievable (Fig 4)	= 2.14 Cr

Sector-wise Energy assessment summary details are shown in the below charts.

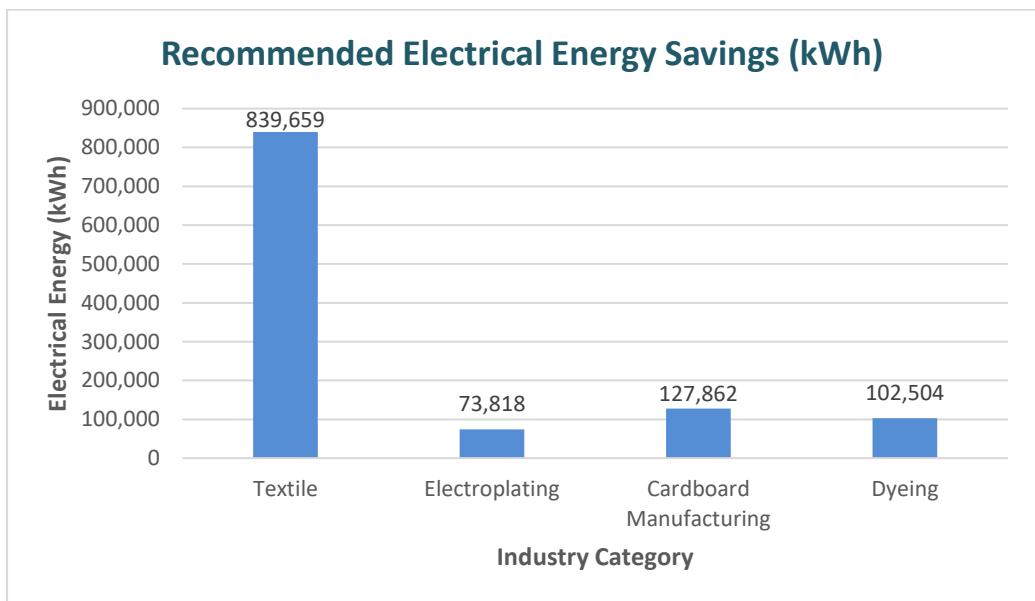


Fig 1: Recommended Electrical Energy Savings in kWh.

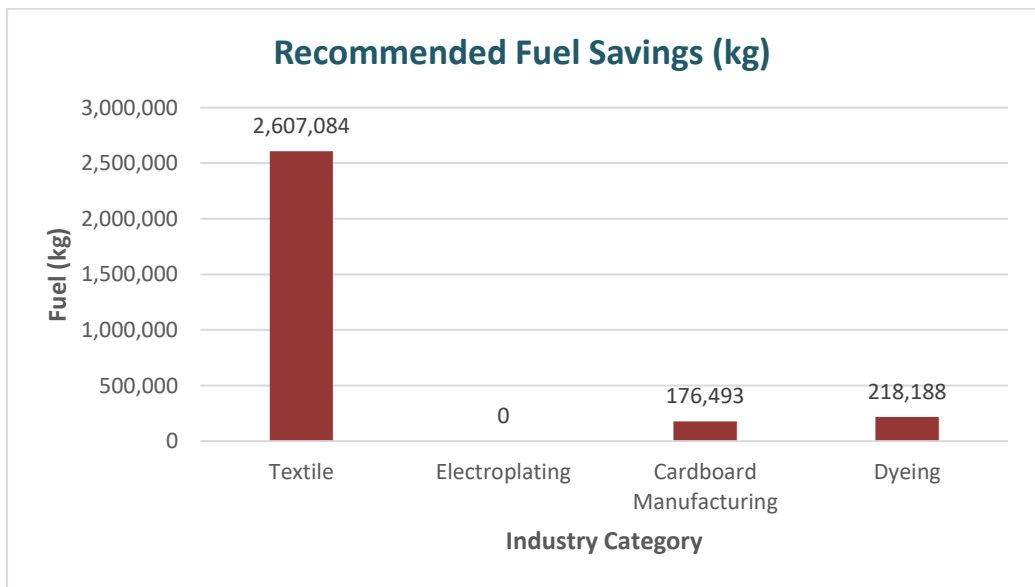


Fig 2: Recommended Fuel Savings in kg

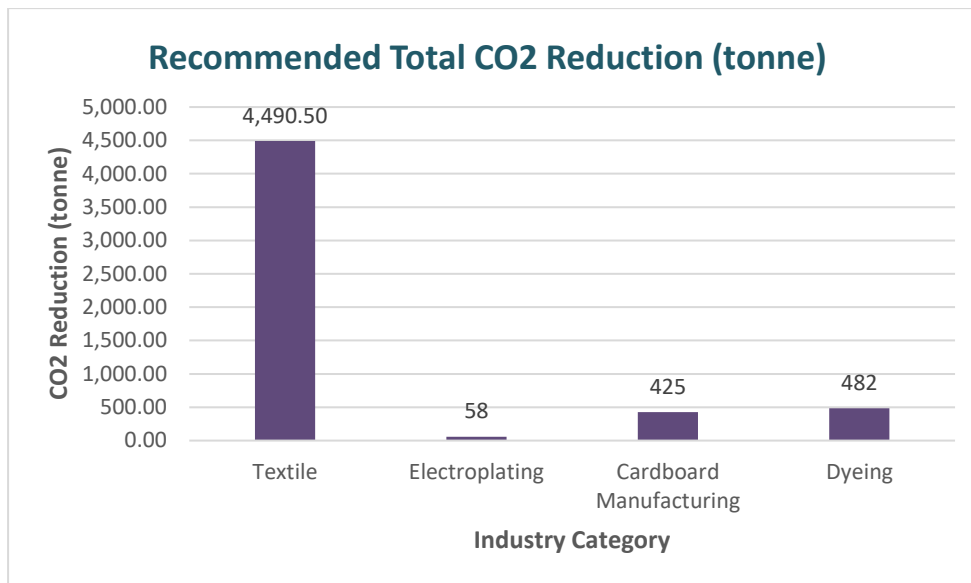


Fig 3: Recommended CO₂ emissions reduction in tonne

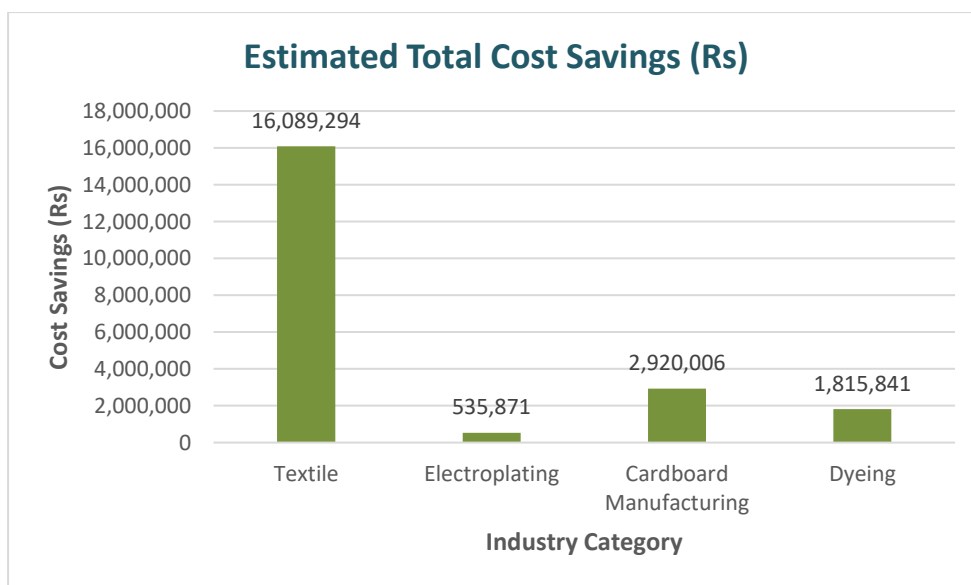


Fig 4: Estimated Cost Savings in Rupees

Currently, IWMA has 3 projects for Energy Assessments. 2 in Printing industries and 1 in a Common Effluent Treatment plant.

IWMA hopes that more industries will come forward to avail themselves of this opportunity. It will help the industry to reduce their Energy bill & carbon Footprint.

CII GreenCo Certification:

IWMA and CII signed an MoU towards greening and promoting environmental performance and sustainability in the IWMA member industry.

CII - Sohrabji Godrej Green Business Centre works closely with the stakeholders on promoting green practices in the industry and offers world-class advisory services on the conservation of natural resources. One of the major steps taken by CII towards this direction is the development of the 'Green Company Rating system' (GreenCo rating) for companies.

GreenCo Rating is the "first of its kind in the World" holistic framework that evaluates companies on the environmental friendliness of their activities using a life cycle approach. Implementation of GreenCo rating provides leadership and guidance to companies on how to make products, services, and operations greener. Industry personnel are trained on the latest green concepts and facilitated for implementing better systems and implementing global best practices in green.

Implementation of GreenCo Rating by IWMA member companies will provide them a systematic and holistic approach to improve their environmental sustainability performance resulting in reduction in the use of natural resources, minimization of environmental impacts, cost savings, better sustainability branding and improve the overall industry competitiveness.

IWMA has committed to absorb the entire GreenCo assessment and training fees of CII-GBC for interested (& selected) IWMA members from MSME category industries and a significant part of assessment and training fees for interested (& selected) IWMA members from large category industries.

In Financial Year 2023 to 2024, IWMA member industry, **M/s Danavarshini Exports Private Limited, Perundurai** was selected for IWMA Grant to go for CII GreenCo certification, and this industry successfully completed the CII GreenCo certification process and achieved the **Silver Rating**. The IWMA project team worked closely with the industry and significantly contributed to the industry to achieve this award. The award is issued to the industry in CII GreenCo Summit 2024, Chennai.

Currently, IWMA has 6 projects for the CII GreenCo certification. 2 in Printing industries, 2 in Auto Ancillaries manufacturing industries, 1 in Cardboard manufacturing industry and 1 in Waste Disposal Facility.

For our member industries who are interested in CII GreenCo certification, a walkthrough assessment will be done by IWMA to evaluate the readiness of their industry and to select the industry for IWMA Grant. IWMA encourages our member industries to utilize this great opportunity and become an eco-friendly industry.

Other Activities:

To update the knowledge and trends in latest sustainability development, Energy Efficiency, and other environmental related activities, IWMA engages their project team to attend the various conferences, workshops, seminars, and certification courses, they are as follows:

- CII GreenCo Summit 2024
- CII Certified GreenCo Facilitators' Development Workshop

INDEPENDENT AUDITOR'S REPORT

To the Members of **M/s. Industrial Waste Management Association**

Report on the Audit of the Standalone Financial Statements

Opinion

We have audited the standalone financial statements of **M/s. Industrial Waste Management Association**, which comprise the Statement of Affairs as at 31st March 2024, and the Income and Expenditure account, and Receipts and Payments for the year ended 31st March 2024 and notes to the financial statements.

In our opinion and to the best of our information and according to the explanations given to us, the aforesaid standalone financial statements give the information required by the Act in the manner so required and give a true and fair view in conformity with the accounting principles generally accepted in India, of the state of affairs of Association as at March 31, 2024, and Surplus, and its cash flows for the year ended on that date.

Basis for Opinion

We conducted our audit in accordance with the Standards on Auditing (SAs) and Accounting Standards. Our responsibilities under those Standards are further described in the Auditor's Responsibilities for the Audit of the Financial Statements section of our report. We are independent of the Association in accordance with the Code of Ethics issued by the Institute of Chartered Accountants of India together with the ethical requirements that are relevant to our audit of the financial statements and we have fulfilled our other ethical responsibilities in accordance with the Code of Ethics. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion, subject to our observation in the Annexure.

Responsibility of Executive Committee for Standalone Financial Statements

The Association's Executive Committee is responsible with respect to the preparation of these standalone financial statements that give a true and fair view of the financial position, financial performance and cash flows of the Association in accordance with the accounting principles generally accepted in India. This responsibility also includes maintenance of adequate accounting records for safeguarding of the assets of the Association and for



preventing and detecting frauds and other irregularities; selection and application of appropriate accounting policies; making judgments and estimates that are reasonable and prudent; and design, implementation and maintenance of adequate internal financial controls, that were operating effectively for ensuring the accuracy and completeness of the accounting records, relevant to the preparation and presentation of the financial statement that give a true and fair view and are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, the Executive Committee is responsible for assessing the Association's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting.

The Executive Committee is also responsible for overseeing the Association's financial reporting process.

Auditor's Responsibilities for the Audit of the Financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with SAs will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these financial statements.

Report on Other Legal and Regulatory Requirements

We report that:-

- a. We have sought and obtained all the information and explanations which to the best of our knowledge and belief were necessary for the purposes of our audit.
- b. In our opinion, proper books of account as required by law have been kept by the Association so far as it appears from our examination of those books.
- c. The Statement of Affairs, the Income and Expenditure account, and the Receipts and Payment Statement dealt with by this Report are in agreement with the books of accounts.



d. In our opinion, the aforesaid standalone financial statements comply with the Generally accepted Accounting Principles and Standards.

e. On the basis of our examination, there is adequacy of the internal financial controls over financial reporting of the Association and the operating effectiveness of such controls.

f. In our opinion and to the best of our information and according to the explanations given to us, we report as under with respect to the other matters:-

i. The Association does not have any pending litigations which would impact its financial position.

ii. The Association did not have any long-term contracts including derivative contracts; as such the question of commenting on any material foreseeable losses thereon does not arise.

g. Refer the Annexure for report on other matters.

**For Varadarajan & Co.,
Chartered Accountants
Firm Registration No. 04515S**



**H. Chandrasekaran
Partner**

Membership No: 022821

UDIN - 24022821BKAVKZ9439



Place: Chennai

Date: 26.08.2024

ANNEXURE TO AUDITOR'S REPORT

We have examined the annexed Income & Expenditure Account and Receipts and Payment account for the year ending 31.03.2024 and the Statement of Affairs as at the above date of 31.03.2024, of M/s. Industrial Waste Management Association, Registration No. 256/2002 with the Books of Accounts and vouchers relating thereto and report that:

- a) The Cash balance and vouchers in the custody of the Association on the date of the audit were in agreement with the accounts ;
- b) The books, deeds, accounts, vouchers and other documents or records required by us were produced before us ;
- c) The Accountant appeared before us and furnished necessary information required by us;
- d) The Association has not granted any Loans Secured or Unsecured to Companies, Firms, LLPs or other Associations in which the Office Bearers have Substantial Interest.
- e) No statutory payments like GST TDS are overdue.
- f) During the Course of Examination of Books and records of the Association, no instance of Fraud is noticed or we have been informed any such instance by the Association.
- g) No alienation of the immovable properties is made.

Place : Chennai
Date : 26.08.2024



For VARADARAJAN & Co.
CHARTERED ACCOUNTANT

H.CHANDRASEKARAN
PARTNER

INDUSTRIAL WASTE MANAGEMENT ASSOCIATION
 409 Ten Square Mall 3rd Floor,
 64 Jawaharal Nehru Salai, Koyambedu - 600107
STATEMENT OF AFFAIRS AS ON 31.03.2024

	31.03.2024	31.03.2023	ASSETS	31.03.2024	31.03.2023
LIABILITIES			Fixed Assets		
Infrastructure Fund	3,71,38,406	3,29,54,681	Fixed Deposit	1,74,18,249	78,73,890
Add: Additions during the year	38,44,934	41,83,725	Add: Additions during the year	1,44,36,904	90,00,000
Less: Deletions During the Year	4,09,83,340	3,71,38,406	Less: Matured during the year	3,18,55,153	1,68,73,890
Surplus o/b.	2,28,46,044	1,95,48,973	Add: Accrued Interest	74,22,904	-
Add: Excess of Income over Expenditure	40,58,407	32,97,071	Less: Interest received	2,44,32,249	1,68,73,890
			Rental Advance	14,12,591	544,359
Current Liabilities			Less: Rent Advance Received	2,58,44,840	1,74,18,249
Audit Fee Payable	-	70,000	Loans and advances Asset	5,02,000	5,02,000
Expenses Reimbursement	19,761	19,761	Membership Fees Receivable	1,81,933	2,66,055
TDS PAYABLE	58,639	53,187		15,17,073	4,20,724
Salary and Honarium Payable	2,25,837	2,19,839	Payment to Sipcot for Additional Land	3,80,40,200	3,80,40,200
Duties and Taxes	1,50,519	1,35,877	Sipcot	6,76,00,940	6,75,55,413
Sundry Creditors			SIPcot-Gumudipoondi	1,19,64,000	1,19,64,000
Security Deposits			Sipcot - Burgur	4,55,21,100	4,55,21,100
Tamil Nadu Waste management			TDS	12,92,179	9,52,858
			Cash in Hand	12,463	12,463
			- SBI (Admin)	20,53,943	17,78,985
			- Kotak Mahindra bank	4,15,212	3,42,848
	23,54,91,905	22,71,91,638		23,54,91,905	22,71,91,638

For Industrial Waste Management Association

Treasurer

Secretary

Chairman



For V. Chandrasekaran & Co.
 Chartered Accountants

V. CHANDRASEKARAN
 Partner

Membership No.022821
 UDIN -24022821BKVKZ9439

INDUSTRIAL WASTE MANAGEMENT ASSOCIATION
 409 Ten Square Mall 3rd Floor
 64 Jawaharlal Nehru Salai, Koyambedu - 600107

INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31.03.2024

31.03.2023	EXPENDITURE	31.03.2024	31.03.2023	INCOME	31.03.2024
1,20,326	AGM Expenses	2,11,500			
	HWTSDF Expenses		1,25,45,775	Subscription Collection	1,15,34,066
80,000	HWTSDF Audit Expenses				
2,60,000	HWTSDF Consultant Expenses	1,965			
79,901	HWTSDF Food Expenses				
1,21,984	HWTSDF Hotel Expenses	26,92,838		Reimbursement Sipcot Maintenance	26,90,040
21,03,760	HWTSDF Maintenance Charges	10,000		Reimbursement Sipcot Water charges	11,87,136
10,000	HWTSDF Processing Fee	7,36,384			
7,36,384	HWTSDF Road Sharing expenses		33,29,952	Reimbursement of Expenses	10,000
4,469	HWTSDF SIPCOT Interest charges	3,560	7,36,384	Reimbursement Road Sharing	7,36,384
3,77,458	HWTSDF Travel expenses	11,87,136		HWTSDF Compliance Advocate Fees	
10,05,121	HWTSDF water Bill				
-	Project consultancy		1,14,500	Registration Fees	84,000
2,400	Adequacy Audit		1,05,696	Seminar Fees	2,10,000
1,32,425	CSR Expenses		-	Discount Received	
-	RVM Expenses	2,288	-	FD Interest KMB	23,993
5,007	Electricity Charges - RVM	2,910	28,641	SB Interest	15,69,553
16,589	Training Expenses		7,71,200	Interest on FD	
-	Road Sharing Expenses		-	Discount Received	
4,96,655	Seminar Expenses		-		
1,02,858	Incentive		-		
	EC Meeting Expenses		-	Excess of Expenditure over Income	
68,140	EC Conveyance Expenses	74,658			
29,500	EC Meeting Event Expenses	9,469			
19,592	EC Meeting Food & snacks expenses	1,14,961			
1,05,500	EC Meeting Hotel expenses				
750	EC Meeting House Keeping expenses	3,39,907			
1,99,456	EC Meeting Travel expenses				
342	EC Training Expenses				
	Enviro Programme Expenses				
	Arrangement expenses	23,163			
	Complementary Expenses - Enviro	52,500			
	Enviro Expenses	20,259			
	Enviro Program Expenses Hall Rent	55,940			
	Enviro Program Gifts	53,390			



	Food & Snacks Expenses - Enviro	2,46,875			
	Printing & Stationery - Enviro	8,400			
	Travel Expenses - Enviro	4,000			
	Project expenses				
	Boarding & Hotel Expenses - Project	18,663			
	Food Expenses - Projects	6,484			
	Project - Travel Expenses	6,430			
	Seminar expense				
	Boarding Expenses - Seminar	47,489			
	Complementary Expenses - Seminar	29,484			
	Food Expense - Seminar	2,731			
	Freight Charges - Seminar	1,650			
	Hall Rent & Food - Seminar	1,26,499			
	Hotel Expenses - Seminar	2,728			
	Seminar honorarium Expenses	29,320			
	Seminar - Printing and Stationery	94,120			
	Travel Expenses - Seminar	4,550			
	Yes Programme expense				
	Gifts & Memento Expenses - YES	49,434			
	TRAVEL EXPENSES - YES	12,593			
	YES - Complementary Expenses	39,000			
	YES - Food & Snacks Expenses	2,09,309			
	YES - Photography	9,000			
	YES - Printing and Stationery	7,122			
	YES - Printing & Stationery	7,500			
	YES Program Expenses	3,27,370			
	E Waste Programme Expenses				
	E waste programme expenses	16,112			
	E Waste Food Expenses	20,805			
	E Waste Gift Expenses	1,385			
	E Waste Travel Expenses	39,081			
	E waste Printing Expense	5,523			
	Office Admin Expenses				
25,200	Advertisement Expenses				
2,27,703	AGM Meeting Expenses	13,078			
13,000	AMC				
14,990	Assosiation renewal expenses				
49,982	Ayudha Pooja Expenses				
12,506	Bank Charges	10,230			
8,014	Boarding & Hotel Expenses - Admin	32,838			
2,00,579	Common Area Mainteance	1,55,294			
1,33,967	Consultancy Charges	7,42,500			
1,000	Conveyance Expenses	2,600			
20,21,043	Depreciation	18,12,899			
67,820	Discount allowed	7,180			
1,90,113	Electricity Charges	2,78,513			
26,127	Food expenses	70,369			
48,234	House Keeping Expenses Office	49,611			



45,400	Internet Expenses	59,919		
34,700	Membership Subscription Expenses	20,000		
420	Miscellaneous Expenses - Admin	518		
3,055	Newspaper			
74,769	Office Maintenance	26,849		
817	Office purchase	9,272		
39,431	Postage and Telegram	18,374		
79,043	Printing and Stationery			
3,235	Printing and stationery	1,35,654		
7,87,000	Professional Fees	1,12,000		
9,10,417	Property Tax			
	Registration Fees	15,700		
24,140	Repairs & Maintenance	8,000		
1,966	Reverse Vending Machine			
81,000	Salary			
24,17,433	Salary and honararium	25,40,482		
-	Services charges	6,534		
1,02,200	Software Maintenance Expenses	1,37,123		
61,733	Software subscription	66,500		
3,13,000	Sponsorship	3,32,619		
-	Staff Recruitment			
36,666	Staff Welfare	93,135		
3,393	Tea and Coffee Expenses			
20,000	Training/Seminar fees			
1,28,573	Travelling Expenses - Admin	2,59,143		
2,000	Volunteer Allowances			
4,165	Water Expenses	3,325		
41,625	Write off	26		
32,97,071	To Excess of Income over Expenditure	40,58,407		
1,76,32,148		1,80,45,172	1,76,32,148	1,80,45,172

For Varadarajan & Co.
 Chartered Accountants


 H. CHANDRASEKARAN
 Partner
 Membership No.022821
 UDIN -24022821BKAVKZ9439

Place - Chennai
 Date -26.08.2024



For Industrial Waste Management Association

Chairman

Secretary

Treasurer

INDUSTRIAL WASTE MANAGEMENT ASSOCIATION
 409 Ten Square Mall 3rd Floor
 64 Jawaharlal Nehru Salai, Koyambedu - 600107

RECEIPTS AND PAYMENTS ACCOUNT FOR THE YEAR ENDED 31.03.2024

31.03.2023	RECEIPTS	31.03.2024	31.03.2023	PAYMENTS	31.3.2024
12,463	Opening balance		1,89,000	Accounting Charges	2,83,704
30,22,285	- Cash at Indian bank	12,463	-	Admin Travelling	
	- Cash in Hand	17,78,985	14,620	Advance	
	- Cash at Bank (SBI - Admin)		26,496	Advertisement Expenses	2,328
6,64,485	- Cash at Bank (SBI - Infra)	3,42,847	2,81,665	AGM Meeting Expenses	
	- Kotak Mahindra Bank		15,340	AMC expenses	
			20,56,588	Asset Purchase	64,800
			1,08,000	Audit Expenses	
			40,990	Ayudha Pooja Expenses	
63,22,736	Reimbursement from Tamil Nadu waste management	52,07,359	12,341	Bank Charges	10,230
			17,280	Boarding & Hotel Expenses - Admin	43,213
1,94,81,579	Total Subscription collection (Admin and Infra ind GST)	1,76,31,818	-	Boarding & hotel Expenses project	18,663
			-	Common Area maintenance	81,354
			8,09,750	Consultancy Charges	8,46,700
			1,83,250	CSR Expenses	
		23,993	-	E waste programme expense	1,12,814
28,641	SB Interest Kotak Mahindra Bank		1,29,501	EC /AGM Meeting expenses	5,14,153
1,90,879	Income Tax Refund	1,60,000	3,32,098	EC Meeting Expenses	
4,950	Seminar Fees		-	Electricity Charges	2,78,513
1,78,618	SIPCOT	74,22,904	-	Electricity Charges - RVM	2,288
	FD Redeemed	62,371	90,00,000	Enviro Programme expense	4,87,975
1,49,721	Interest on FD		-	Fixed deposit	1,44,36,904
			33,64,391	Food Expenses	72,422
			-	GST	21,95,587
			47,234	Housekeeping Expenses	45,611
			-	HWTSDf Maintenance Charges	30,58,024
			1,92,258	HWTSDf Travel Expenses	5,525
			2,400	HWTSDf Audit Expenses	
			46,15,047	HWTSDf processing fees	11,821
			-	HWTSDf water bill	14,15,750
			-	Internet expenses	17,645
			-	Membership Subscription	23,600
			-	Miscellaneous Expenses	



518			
Newspaper			31,275
Office maintenance	69,317		21,923
Office Purchases	1,63,226		23,073
Postal expenses	47,187		1,96,928
Printing and Stationery	-		2,79,871
Professional fees	-		12,913
Project Expenses	-		15,000
Property taxes	8,40,000		6,490
Registration fees	-		8,69,390
Repairs and maintenance	-		25,21,794
Road Sharing expense	-		6,50,544
Salary	33,26,747		1,54,977
Seminar expenses	9,37,298		77,043
Software Maintenance	1,67,482		3,82,897
Software Subscription	12,744		91,941
Sponsorship	3,53,840		89,935
Staff Recruitment	66,934		5,548
Staff Welfare	-		3,325
TDS Paid	3,38,353		6,96,115
Training expense	-		
TRAVEL EXPENSES - PROJECT	1,60,685		
Water Expenses	-		
Yes Programme expenses	-		
Closing Balance	12,463		12,463
- Cash in Hand			
- Cash at Bank	3,42,847		4,15,211
Kotak Mahindra Bank			
SBI Admin	17,78,985		20,53,942
SBI Infra			
	3,00,56,357	3,26,42,740	3,26,42,740

For Industrial Waste Management Association

Treasurer

Secretary

Chairman

For Varadarajan & Co.
 Chartered Accountants



H CHANDRASEKARAN
 Partner

Membership No.022821

UDIN - 24022821BKAVKZ9439

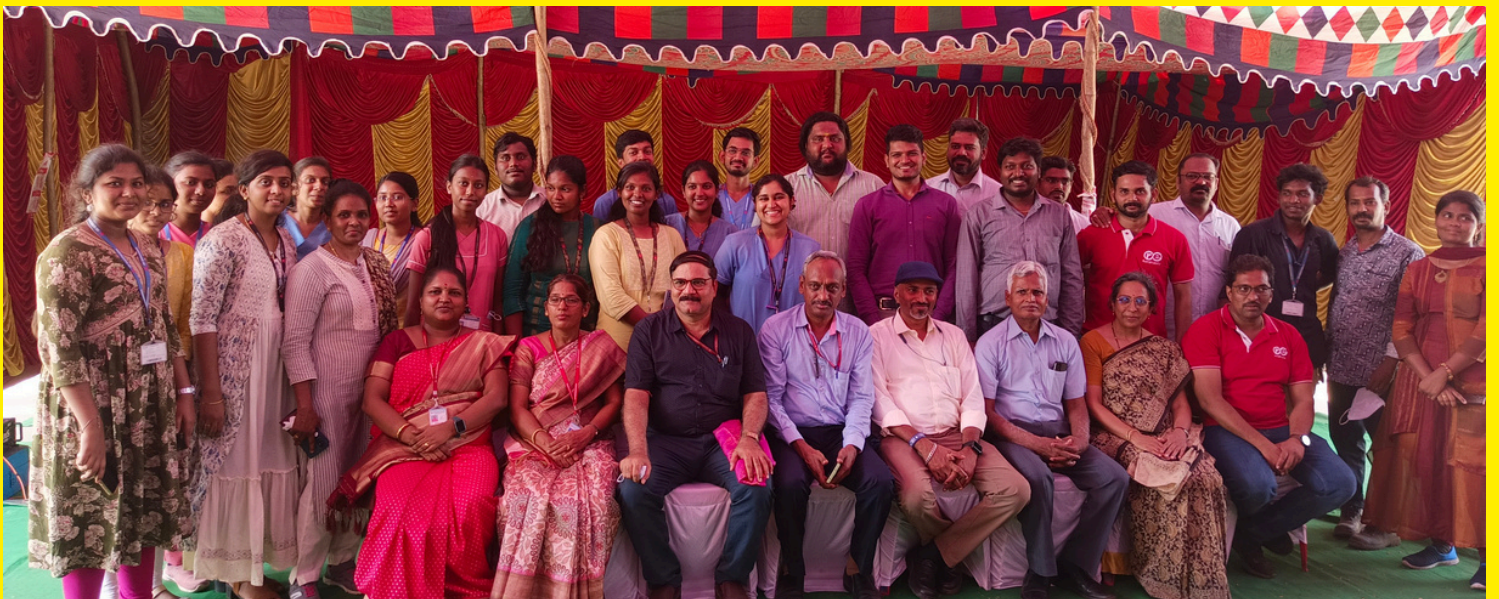
Place - Chennai
 Date - 26.08.2024

INDUSTRIAL WASTE MANAGEMENT ASSOCIATION

DEPRECIATION SCHEDULE AS PER INCOME TAX ACT

PARTICULARS	AS ON 01.04.2023	ADDITIONS >180DAYS	ADDITIONS <180DAYS	DELETIONS	TOTAL	%	DEPN	AS ON 31.03.2024
Training Instruments	12,289	-	-	-	12,289	15%	1,843	10,446
Erode Land Purchase	1,67,83,200	-	-	-	1,67,83,200	0%	-	1,67,83,200
Koyambedu office building	1,49,42,953	-	-	-	1,49,42,953	10%	14,94,295	1,34,48,658
Koyambedu office Land	90,61,892	-	-	-	90,61,892	0%	-	90,61,892
Airconditioner	4,18,701	-	-	-	4,18,701	10%	41,870	3,76,831
Camera	2,873	-	-	-	2,873	15%	431	2,442
Computer	3,79,362	-	-	-	3,79,362	40%	1,51,745	2,27,617
CCTV Camera	2,326	-	-	-	2,326	40%	931	1,396
Cordless Phone	560	-	-	-	560	15%	84	476
UPS	1,071	-	-	-	1,071	40%	428	643
Fire extinguisher	45,958	-	-	-	45,958	15%	6,894	39,064
Furniture & Fittings	2,32,605	-	-	-	2,32,605	10%	23,260	2,09,344
Electrical fittings	2,60,676	-	-	-	2,60,676	15%	39,101	2,21,575
Inverter	13,253	-	-	-	13,253	15%	1,988	11,265
Laptop	33,219	-	-	-	33,219	40%	13,288	19,931
Megaphone	2,197	-	4,550	-	4,550	15%	341	4,209
Name Board	3,881	-	-	-	3,881	15%	330	1,868
Printer	84,500	-	-	-	84,500	15%	582	3,299
Reverse Vending Machine	1,601	-	-	-	1,601	15%	12,675	71,825
Water Dispenser	61,342	-	-	-	61,342	15%	240	1,361
Projector	6,326	-	-	-	6,326	15%	949	52,141
Xerox Machine	13,100	-	-	-	13,100	15%	1,965	5,378
Safety Locker	40,492	-	-	-	40,492	15%	1,965	11,135
EBAX	10,113	-	-	-	10,113	40%	6,074	34,418
Software	2,251	-	-	-	2,251	40%	4,045	6,068
Mobile	2,251	-	-	-	2,251	15%	338	1,913
TOTAL	4,24,16,743	-	4,550	-	4,24,21,293	-	18,12,899	4,06,08,394







Regd.No 256/2002

INDUSTRIAL WASTE MANAGEMENT ASSOCIATION

No: 409, Ten Square Mall, 3rd Floor,
No: 64, Jawaharlal Nehru Salai,
Koyambedu, Chennai- 600107.
Ph.No: +91 44 4552 2655/ 2479 8069
E-mail: contactus@iwma.in



RECYCLING



RAINWATER
HARVESTING



WASTE
MANAGEMENT



WATER
CONSERVATION



CLIMATE
CHANGE



RENEWABLE
ENERGY



GLOBAL
WARMING



WASTE
REDUCTION