



Regd No. 256/2002

INDUSTRIAL WASTE MANAGEMENT ASSOCIATION



18th Annual General Meeting Annual Report
2019 - 2020

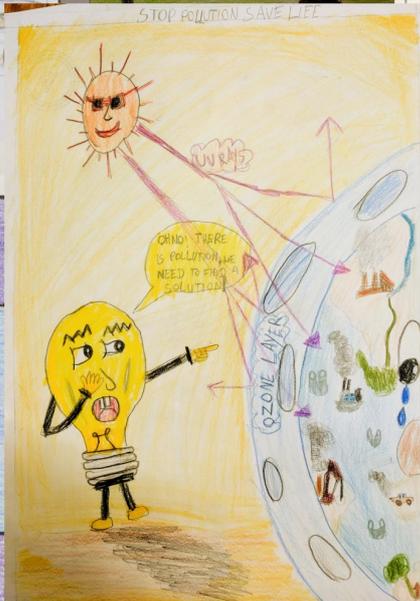
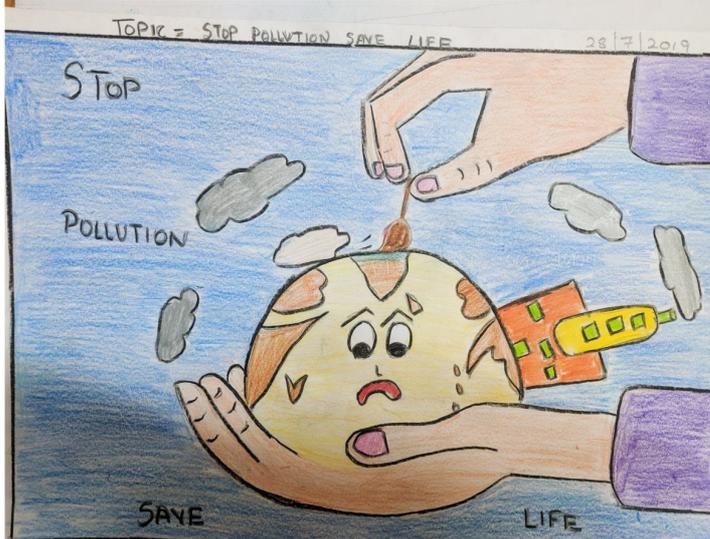
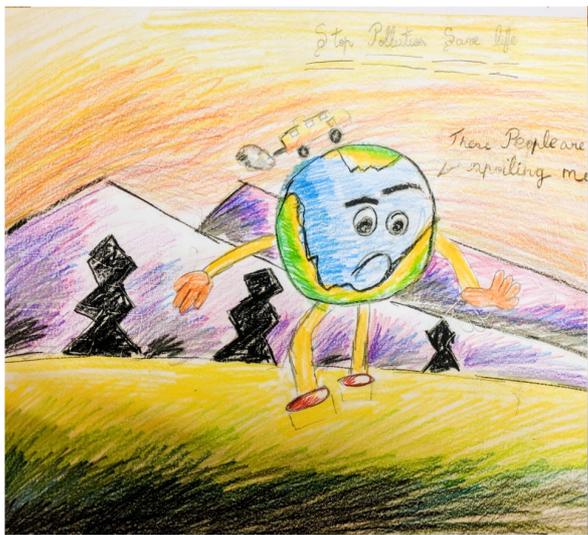




Table of Contents

Page No

Chairman’s Message.....	02
Secretary Message.....	03
Executive Committee.....	10
Membership Profile.....	14
IWMA Activities.....	17
CHWTSDF Details.....	30
IWMA Projects.....	33
Auditor’s Report.....	42

Chairman's Message



Dear Members,

It is a great pleasure to welcome you to the 18th Annual General Meeting of the Industrial Waste Management Association. I am honoured to introduce to you today the progress that we have made with our member industries to make the industry more sustainable through our services.

As we all know, we are currently experiencing unprecedented pandemic (COVID-19) situation that revolve around the globe and its impact on people, society and the economy. This makes our mission more important than ever. Our goals are to support the industries and we have played a huge role in supporting our members by giving a discount in membership subscription for this financial year 2020-21.

Due to expedited threat of COVID-19, IWMA accelerates towards the adoption of new technologies. This transformation is in connection with online awareness and is being a part of IWMA efforts, which positively supports on significant environmental contributions and that includes reduction in energy consumption and reduction in environmental pollution (water, air and noise). Also, IWMA chains up with its member industries at periodic intervals by organizing presentations on new technologies. This will help our industries to manage and have greater control over conservation of Resource, Energy Efficiency, Water Conservation and Waste Management.

IWMA prudence to our mother nature/environment and is committed towards the management of hazardous waste at all its member industries by developing guidelines towards the related issues. This is continuous immortal journey. Here, I would like to thank the entire IWMA team and all members for the enthusiastically travelling in the equitable direction.

Best wishes to all members



Mr. K. Baskaran, Chairman, IWMA.

Secretary's Message



SECRETARY'S REPORT

I am happy to place this report on this historical and auspicious occasion for the year 2019-20. I thank you all for giving me this opportunity. I have enormous pleasure to announce that our organization's member strength is 3135 as of 31st March 2020. This is evident because of our continuous and dedicated service to the industries in the field of Hazardous Waste Management.

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.
- ❖ Conducting ETP Operators and Technicians Courses in partnership with SSM Polytechnic College, Erode.
- ❖ Working with Educational Institutions and Universities to establish Training Courses.
- ❖ Signed MoU with PSG, Coimbatore on technical and Programme collaborations.
- ❖ Signed MoU with Madurai Kamaraj University, Madurai, to conduct ETP Operators and Technicians Courses.
- ❖ 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 Environment.

EXECUTIVE COMMITTEE

IWMA has a strong and learned Executive Committee consisting of professionals, industrialists, and specialists to guide the organization. IWMA conducts EC Meetings on every month to take timely and appropriate decisions to guide the Secretariat for excellent implementation of the responsibilities.

At this juncture, I like to thank Office Bearers and Executive Committee members who have supported me for successful completion of this year.

OPERATIONS OF CHWTSDF

1. Gummidipoondi Facility

The CHWTSDF facility at Gummidipoondi SIPCOT is the first TSDF to be established in Tamil Nadu which is operational since 2007. The land is owned by IWMA and the operations are handled by Tamil Nadu Waste Management Limited (TNWML) who was selected through competitive bidding.

During the 2019-20 period, at Gummidipoondi facility, Cell 7 was in operation and handled 60,157 MT tons of direct landfillable waste. Additionally, 6,889 MT tons of incinerable wastes were handled there. Currently Cell 7 is completely utilised, and Cell 8 is in operational and expect it to be operational till end of 2021.

For future requirement, IWMA has already purchased additional 26 acres there itself. In Nov 2020, TNPCB has issued Consent to Establishment (CTE) for establishing new landfill cells. We hope to bring the new landfill cells operational by Q3 of 2020-21.

Each stage of construction activities is thorough inspected and certified by IIT Madras. IWMA Technical Team also does periodic audit of the facility to ensure they are in compliance in environmental norms.

2. Bargur Facility

To reduce the burden of lack of space at Gummidipoondi facility and to cater to the western region of Tamil Nadu where 30% of IWMA members are present, IWMA has engaged itself with SIPCOT and obtained permission to establish new facility at Bargur, Krishnagiri District, Tamil Nadu.

During November 2019, IWMA has leased 25 acres of land in its name at Bargur SIPCOT for establishment of Integrated CHWTSDF. During November 2020, TNPCB has issued Consent to Establishment (CTE) for establishing the landfill facility. We hope to bring the new landfill cells operational by Q3 of 2020-21.

3. Virudhunagar Facility

Virudhunagar facility is completely owned and operated by TNWML. TNWML commenced their operation from December 2016 with Cell 1 under operation.

Though the facility is fully owned by TNWML, as per agreement with IWMA, TNWML has permitted IWMA to do periodic audit of their facility to ensure its compliance with latest environmental norms.

IWMA and TNWML jointly facilitated our member industries for the utilization of the Virudhunagar facility for the safe disposal of hazardous waste during the temporary stop gap period when Gummidipoondi was unavailable. This ensured that there is no hinderance in the safe disposal of hazardous waste of our member industries.

During the 2019-20 period, Cell 1 at Virudhunagar facility was in operation and handled 30,141 MT of direct landfillable waste.

COORDINATION WITH GOVERNMENT BODIES

TNPCB

Co-ordination with TNPCB has been strengthened and I am glad to inform you that IWMA is playing a vital role in Monitoring Committee of Hazardous Waste formed by TNPCB as per the directives of Green Tribunal and MoEF & CC. Periodical Meetings are being conducted.

We like to thank TNPCB Officials who are guiding us on many environmental aspects. TNPCB Officials have been participating in seminars organised by IWMA to propagate awareness about latest environmental norms to IWMA member industries.

SIPCOT

IWMA maintains cordial relationship with SIPCOT. We thank SIPCOT Officials for allocating additional land at Gummidipoondi facility and new land at Bargur facility. Periodical updates are shared with SIPCOT regarding construction of new landfills.

SECRETARIAT ACTIVITIES

Own Head Office

Since 05th April 2019, IWMA Secretariat is operating in our own office located at Koyambedu, Chennai. It is our pride to note that we are conducting our EC Meetings and Training Programmes in this new own venue.

Own Branch Office

IWMA membership is 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 two reasons. One, next to Chennai region, maximum concentration of active members is in western region, for which Erode will be centre point. Second, Erode is in proximity to Integrated CHWTSDF to be made operational at Bargur.

EC created Asset Committee comprising of 4 Office Bearers and 5 Executive Committee members. Asset Committee made couple of visits to Erode and finalised a suitable land where IWMA Branch Office can be established. After obtaining legal opinion for clear land title from an advocate and

after obtaining valuation report from authorized valuer, during February 2020 EC meeting, EC authorised me to proceed with registration of the land. We have registered the land for our Erode branch office on 04th March 2020.

With all your support, in the next financial year, we hope to construct our branch office and make it operational. Like the training centre available at our head office, a training centre will be established in branch office also. We hope to do more in-person training of staffs of our members in various environment related subjects.

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 solve their specific problems. It could be in their effluent treatment plant or in energy conservation measures.

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; and reputed consultants. All members are requested to make use these resources through IWMA Secretariat.

Enhanced Membership Support

As part of continuous improvement in our service to our members, to provide better and enhanced membership support, we are completed the groundwork and plan to implement the following measures in the coming year.

- Provide online web-based helpdesk for better members support service.
- Upgrade our membership software to provide online self-service portal wherein members can view their subscription dues, pay their dues, and download the receipts / invoices. Also update their company information and contact information by themselves.

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.

In the year 2019, IWMA has conducted 2 seminars (one at Chennai and one at Coimbatore), 1 B2B Meeting at Tirupur and 6 training programs at IWMA In-house training centre.

CSR ACTIVITIES

Reverse Vending Machine

As part of IWMA's CSR activity, to tackle environmental menace due to unscientific disposal of plastic bottles, IWMA sponsored installed of Reverse Vending Machine at **Dr. M.G.R Bus Terminus** at Koyambedu, Chennai on **05th June 2019 (World Environmental Day)**. We thanks to Officials of Chennai Metropolitan Development Authority (CMDA) for giving us permission to install the RVM.

We heartfelt thanks to **Thiru. K.C. Karuppanan, Hon'ble Minister for Environment**, Govt of Tamil Nadu for inaugurating the RVM. We also thank Thiru. D.Sekar, Member Secretary, TNPCB and other Board Officials who joined us during the inauguration. In the coming years, we plan to sponsor RVM in different towns of Tamil Nadu.

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 2019, 80 MT tons of firecracker wastes were safely disposed. Greater Chennai Corporation is supporting us to reach the students of Corporations Schools for our ENVIRO and YES programmes.

Young Environmental Scientist (YES) Programme

Since 2012, IWMA is conducting YES Programme to bring out creative solutions from school students for day-to-day environmental issues. At YES 2019 Chennai programme, 84 projects were presented from 27 schools.

To encourage such scientific temperament across Tamil Nadu, in 2019, for the first time YES Programme spread its wings outside Chennai to Coimbatore. At YES 2019 Coimbatore programme, 84 projects were presented from 36 schools. IWMA is ready to lend its mentorship and financial support to the winners of YES Programme to take their projects to next level.

ENVIRO Programme

Since 2009, IWMA is conducting ENVIRO, an environmental awareness program to promote importance of environment protection among school children. In 2019, around 150 schools and over 500 students participated in competitive events like cartoon drawing, mascot designing, and live news reporting.

Thanking all of you for your kind support.



Mr. N.Palanisamy, Secretary, IWMA.

EXECUTIVE COMMITTEE FOR THE YEAR 2019-20 WITH PHOTOGRAPHS

<p>Chairman</p> <p>Mr. Baskaran. K Managing Director Aarthi Industries</p>	
<p>Vice Chairman</p> <p>Mr. Jagannathan. R Director Sri Suryodhayaa Processing Pvt. Ltd.</p>	
<p>Secretary</p> <p>Mr. Palanisamy. N Managing Director Aruna Textile Processing Mills</p>	
<p>Joint Secretary</p> <p>Mr. Thirugnanam. R General Manager - Maintenance Simpson & Co. Ltd.</p>	
<p>Treasurer</p> <p>Mr. Suresh Kandi Manoharan Executive Director Best Colour Solutions India Pvt. Ltd.</p>	

EXECUTIVE COMMITTEE MEMBERS FOR THE YEAR 2019-2020

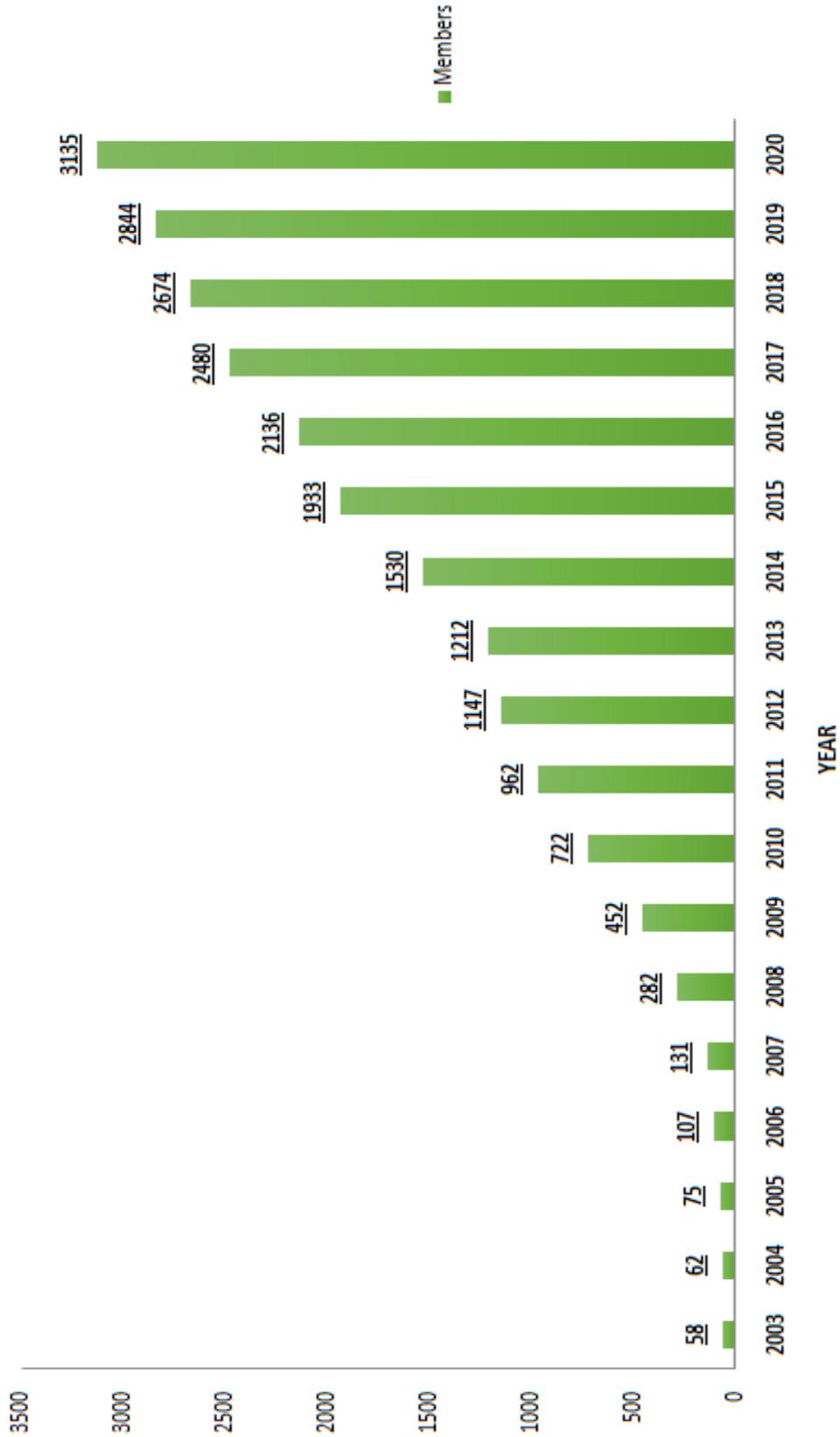
<p>Mrs. Devi. P EHS - Coordinator MTL Instruments Pvt. Ltd.</p>	
<p>Mr. Anbarasu. C Assistant Manager - EHS L & T (Precision Manufacturing Facility)</p>	
<p>Mr. Senthil Murugan. E Purchase Manager Rialto Enterprises Pvt. Ltd.</p>	
<p>Mr. George. N.C DGM Environment Solara Active Pharma Science Ltd.</p>	

<p>Mr. Muruganantham. R Proprietor Shri Muruganantham Textiles</p>	
<p>Mr. Natarajan. K. Proprietor Divya Engineering Works</p>	
<p>Mr. Purushothaman. P. E. Director SSM Processing Mills Limited</p>	
<p>Mr. Rajan C. S. Vice President Iljin Automotive Private Limited</p>	

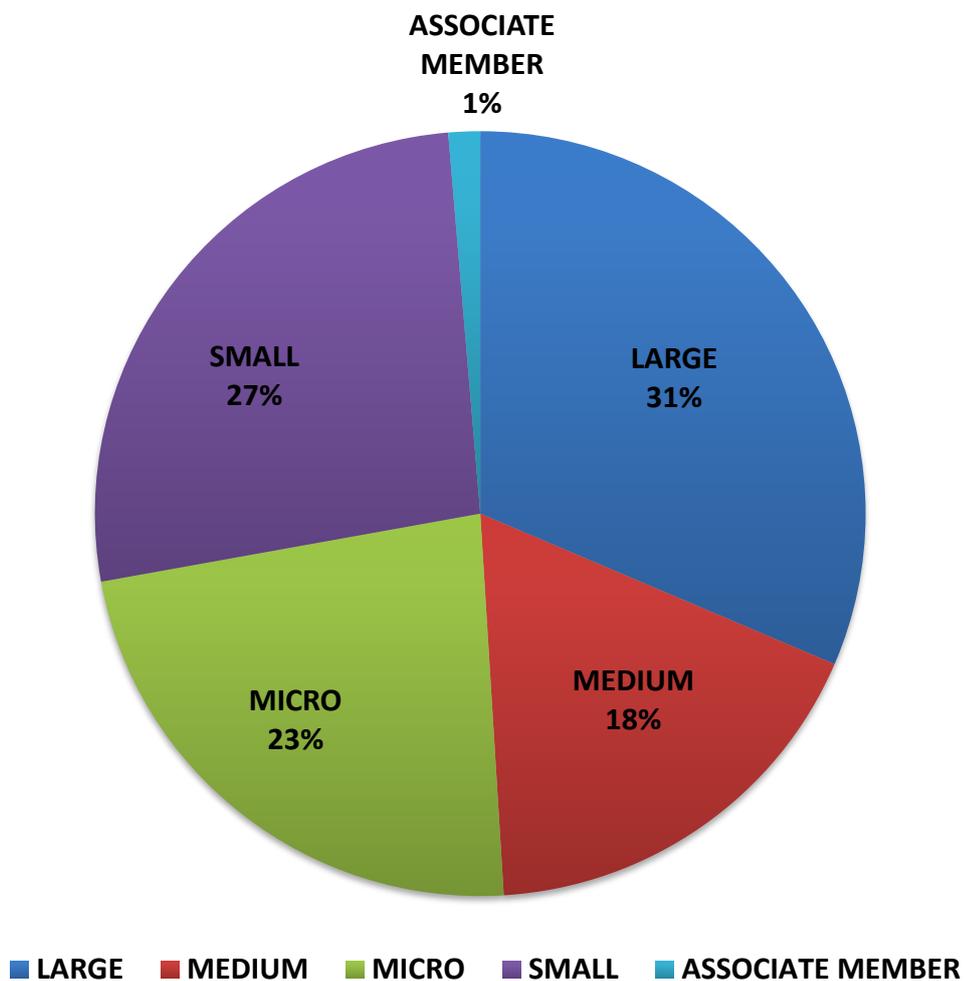
<p>Mr. Mohammed Khaleel. T COO (Chief Operating Officer), Managing Partner EKM Leather Processing Co.,</p>	
<p>Mr. Thiyagarajan. M Asst. Manager - Utilities & Projects Brakes India Ltd. (Unit 36)</p>	

Auditor	:	Mr. H. Chandrasekaran, Varadarajan & Co.
Advisor - Projects	:	Mr. K. Sivaraman
Secretariat:		
Senior Manager - Operations	:	Mr. R. Saravanan
Assistant manager - Resources & Technical	:	Mr. M. Vignesh Raj
Executive - Training & Development	:	Dr. N. Akshata Jain
Executive – Administration & External Affairs	:	Ms. E. Suganya Ravi
Accounts Executive	:	Mr. K. Karthik

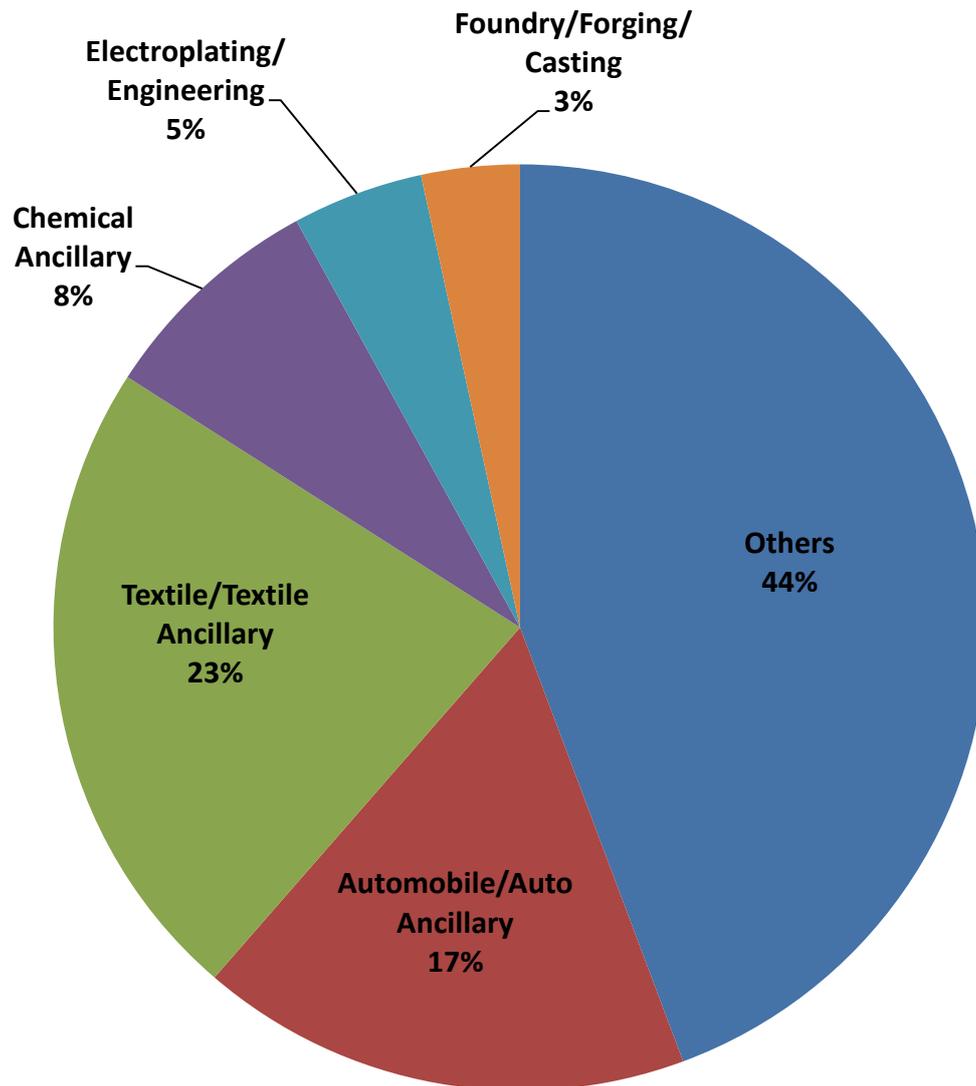
Industry Member - Growth (as on March 2020)



INDUSTRIAL MEMBERS CATEGORY WISE AS ON 31st MARTH 2020



INDUSTRY MEMEBER - SECTOR WISE AS ON 31st MARCH 2020



SEMINARS

IWMA conducted two seminars during this period. One was during our 17th AGM. The other one was at Coimbatore.

Er. K.Nalini, D.E.E, Er. P. Manimaran, D.E.E; Er. K. Manivannan Tamil Nadu Pollution Control Board, Coimbatore where the Chief guest and supported us much for the 18th May 2019.

S.No	Date	Program	No. of Participants
1	18-05-2019	Cleaner Production and Environmental Protection & Regulation	104
2	21-09-2019	Sustainable Development & Environmental Regulatory Compliance	127



ECO-FRIENDLY DISPOSAL OF INDUSTRIAL WASTE (HAZARDOUS & NON-HAZARDOUS)

IWMA is pleased to inform you about the successful conduct of the meeting held for Industries titled “Eco-friendly disposal of Industrial waste (Both hazardous and non-hazardous waste)” on 24th February 2020 at Tirupur. IWMA along with Tirupur Exporters’ Association (TEA), have organized the meeting in the objective of supporting industries in their waste disposal.

About 120+ participants from industries (pre-dominantly from textile sector) have participated in the program, where speakers from Cement Industries, waste management companies had presented in the program.

Overall, the meeting enhanced for the better connects with Industries and solution providers in the area of waste management. We will continue to carry out such activities and provide solutions for member industries with the support of different service provider groups in a single window of B2B meetings.



TRAINING PROGRAMMES

IWMA, as an awareness initiative, conducts training programs for its member industries to make its members aware of the environment and the regulations that precede it. The training initiative of IWMA caters the needs of industries by bridging the gap between industries, consultants, academicians, and Government. The training programs are conducted at a “No-profit/No-loss” basis for the expenses incidental to each program including hall booking, travel, hand-outs, literature, trainer fee etc.

In continuance of our efforts to conduct training programmes on Environment Management of the member industries. The association has conducted both in-house and out-houses training programs. IWMA has conducted the following training programs during this period. These programmes have focused on small groups to facilitate better understanding and involvement.

S. No.	Date	Topic	No. of participants
1	03-04-2019	Zero Waste to Landfill	8
2	26-04-2019	Primary Treatment of Industrial Wastewater	13
3	18-07-2019	Industrial Safety	17
4	08-08-2019	Environment and Factory Conditioning	11
5	05-09-2019	Water Conservation & Energy Conservation	23
6	23-10-2019	E-Waste & Hazardous Waste Management	26

INTERNSHIP

IWMA Summer internship program was offered to Ms. Abinaya Velkumar, a dynamic Post graduate student in the field of Environmental Engineering, National Institute of Technology Karnataka.

The internship program for a period of 2 months (13th May 2019 to 12th July 2019) paved a way to grab knowledge on Hazardous Waste Management & field visit, EIA report, addressing industries technical problem statements organizing Seminar and CSR activities.

CERTIFICATION PROGRAMS

IWMA planned to conduct Operator Certification Program for various industries. Our association has decided to conduct a course on “**Effluent Treatment Plant Operation & Maintenance**” in partnership with **Madurai Kamaraj University, Madurai**. The program envisages on the job training at the relevant industrial sites and lab scale training on analysis of various parameters.

In the forthcoming years, your association will be signing a MoU with Madurai Kamaraj University and keen to develop a structured skill development course in the field of environment.

E-WASTE MANAGEMENT

IWMA joined hands with **Eco Club members of Avichi College of Arts and Science, Chennai** to create environmental awareness program. In this connection the Eco Club members of college, organized “**Idea Generation**”, a paper presentation program for the students on the topic “**E-Waste Management**”.

For this event, **Mr. Baskaran, Chairman, IWMA** as the chief guests and judges of the program are Mr. Vignesh Raj, Assistant Manager, IWMA and Mr. Raghu Raj, Assistant Manager, Ramky ARM Recycling Pvt. Ltd. The winners were honoured with a certificate with the dignitaries on 10th February 2020.

INDUSTRIAL VISIT

IWMA organized one day industrial visit of TSDF Landfill site located at Gummidipoondi for **Thygarajar College of Engineering, Madurai**. 25 students and 2 faculty representatives from the first and second years of the M.E. Department of Environmental Engineering visited on 27th February 2020.

The main aim industrial visit is to provide an exposure to students about practical working environment. The students got a good opportunity to gain full awareness about HWTSDF. This visit gave the students an exposure to current work practices as opposed to possibly theoretical knowledge being taught at college.

CSR ACTIVITIES

ENVIRO 2019

Every year IWMA in collaboration with **Science Olympiad Foundation (SOF)** has been conducting ENVIRO - a two-day Environmental awareness program for school children since 2009. Competitive events like Cartoon Drawing, Mascot Designing and Live News Reporting were held to promote the importance of environment among school children.

This year, the **11th ENVIRO 2019** was conducted at IIT Madras on **27th & 28th July 2019** and **Professor Mangal Sunder**, Department of Chemistry, IIT-Madras is the **Principal Coordinator** of the event.

Around 150 schools & over 500 students in and around Chennai participated in the following topics related to the environment.

Cartoon Drawing	-	Junior (Classes 3rd, 4th and 5th)
Mascot Designing	-	Middle (Classes 6th, 7th and 8th)
Live News Reporting	-	Senior (Classes 9th, 10th, 11th and 12th)

Mr.Vignesh and **Ms.Rebecca** from **CII Tamilnadu Environmental Sustainability Wing** handle the topic **Water Conservation** and contest on water conservation program. A science awareness workshop for the YES 2019 (Young Environmental Scientist) program and Scientific Program by **Dr. T.S. Natarajan, IIT – Tirupathi**.

Mr. Biju Balendran, Managing Director & CEO - Renault Nissan Automotive India, Pvt. Ltd Chief Guest of the event day and **Mr. R. Ramasubbu, Joint Chief Environmental Engineer, Tamil Nadu Pollution Control Board, Guindy** has expressed his views and delivered a motivational speech to young children. They distributed the awards to the winners.



YOUNG ENVIRONMENTAL SCIENTISTS AWARDS CHENNAI - YES 2019-20

IWMA conducts an inter-school (Classes 6th to 12th) research oriented competition for school children, since 2012, called **YOUNG ENVIRONMENTAL SCIENTIST (YES)**. This is a Quest for young minds, who are intent on shaping tomorrow. **IIT-Madras mentors** the students and their guides on the modality of Research, viz. Observation, Experimentation, Data Collection & Analysis. The program is run over 6 months from the selection of the project through experiment and data analysis to demonstration. Besides the students, their mentors are also recognized for their contribution.

YES Awards-2020 was conducted on **02nd February 2020 (Sunday)** at **IC & SR Conference Hall, IIT Madras**. Over 29 projects were presented. **Professor Mangal Sunder**, Department of Chemistry, IIT-Madras is the **Principal Coordinator** of the event. **Mrs. G. Sundarajan, Poovulagin Nanbargal, Chief Guest** of the event day, has expressed his views and delivered a motivational speech to young children.

Er. D. Vasudevan, District Environmental Engineer, Tamil Nadu Pollution Control Board - Maraimalai Nagar appreciated the participants who have worked diligently for the past few months preparing for this mega event and encourage the students by his inspirational speech towards working in an eco-friendly pattern and bring the innovations in Science and Technology. They distributed the awards to the winners.

The juries of YES who were a mixture of academic personalities and industrialists with research experiences like **Mr. R.Thirugnanam, Simpson & Co; Mr. M.Thiyagarajan, Brakes India; Mrs. Devi, MTL Instruments Pvt. Ltd; Dr. Krishnendu, Professor & Academic Coordinator Department of Environmental Health Engineering, Sri Ramachandra University; Dr. Jayavignesh Vijayan - Postdoctoral Researcher, Department of Chemical Engineering, IIT Madras; Prof. Dr. M. Indumathi Nambi, Department of Civil Engineering, IIT Madras**, had given a wonderful feedback and pushed their scientific spirits to next level of engagement.

Over 80+ attendees from different schools attended the program in IC & SR Auditorium at IIT, Madras. All 29 teams had demonstrated their model to the attendees and Juries.



YOUNG ENVIRONMENTAL SCIENTISTS AWARDS COIMBATORE - YES 2019

YES is being successfully conducted since 2012. YES invites application from schools across Chennai. Submitted proposals will be shortlisted for the next level and paired with IIT professors for mentoring. Shortlisted projects will be called for Mentoring Session in which the students will be given a chance to interact with IIT Professors and they will give their suggestions to improve their projects.

Apart from our Chennai - YES, IWMA, in the year of 2019 onwards, broaden our service to benefit the western region of Tamilnadu by joining hands with **PSG-TECH, Coimbatore** for conducting YES program for the schools in **Coimbatore district**. YES Awards-2020 was conducted for the first time in Coimbatore on **25th August 2019 (Sunday)** at **PSG College, Coimbatore**. Over 84 projects from 36 Schools were presented on the day of Mentioning Session.

The Grand Finale of YES 2020 Awards held at **PSG College, Coimbatore** on **17th November 2019**. The session begins with the welcome address by **Mr. R. Jagannathan, Vice Chairman – IWMA** and briefing about YES by **Mr. Suresh Manoharan, Treasurer – IWMA**.

Dr. S.P.Suryaraj, Scientific Officer PSG-STEP appreciated the participants who have worked diligently for the past few months preparing for this mega event and encourage the students by his inspirational speech towards working in an eco-friendly pattern and bring the innovations in Science and Technology. They distributed the awards to the winners.

Dr. P. Radhakrishnan, Director, PSG-Institute of Advanced Studies, Chief Guest of the event day, has expressed his views and delivered a motivational speech to young children.

The juries of YES who were a mixture of academic personalities and industrialists with research experiences like **Prof M. Mohanraj; Dr. Sivasubramanian, PSG IAS; Dr. Mohanta, PSG IAS; Dr. Hema Jagadeesan, PSG CT; Dr. Sangameshwari, PSG STEP; Mr. Srinivasan, Startup from PSG STEP; Mr. Thirunganam, Joint Secretary, IWMA; Mr. Sivaraman, Advisor Projects, IWMA; Dr. Radhesh Krishnan, T-Stanes; Ms. Priya Sukumar, PSG STEP** had given a wonderful feedback and pushed their scientific spirits to next level of engagement.



INAUGURATION OF THE REVERSE VENDING MACHINE FOR THE DISPOSAL & RECYCLING OF PLASTIC BOTTLES.

Adding another feather on the cap of the movement for **#Beat Plastics**, the grand inauguration of the **Reverse Vending Machine** was held on **05th June 2019 (World Environment Day)** at **Puratchithalaivar Dr. M.G.R. Bus Terminus at Koyambedu, Chennai.**

This is the High-Tech Reverse Vending Machine first of its sort placed in a public place that too attracts huge crowd and plastic bottle users. This is the first placed in a public place. The machine has the capacity to accept 3000 empty plastic bottles through its crusher and container.

The Machine was inaugurated by **Thiru. K.C. Karuppanan, Hon'ble Minister for Environment, Govt of Tamil Nadu** and the first bottle was dropped by his golden hands by operating the machine with the help of the touch screen installed in the machine for perfect disposal.

Hon'ble Minister delivered the **Chief Guest Address**. While appreciating the initiative of IWMA he is proud to announce that the **Ban on plastic in Tamil Nadu** had yielded good results and almost 75% of the onetime useable plastics are under control.

The function was graced by **Thiru. Virugai Ravi, Hon'ble Member of Legislative Assembly, Virugambakkam Constituency**. This location is coming under his constituency. The function was graced by **Thiru. D.Sekar, Member Secretary, Tamil Nadu Pollution Control Board** and the **officials of Chennai Metropolitan Development Authority**.

Function arrangements have been made by the office bearers of IWMA, Mr. K. Baskaran, Chairman, Mr. N. Palanisamy, Secretary, Mr- Thirugnanam, Joint Secretary along with the Executive Committee of IWMA.

The public, who drop the plastic bottles at this machine will be provided a gift coupon with which they can get a **discount of 5% upto Rs.100/- and 10% above Rs.100/- for refreshments and 20% of a stay in a nearby hotel.**



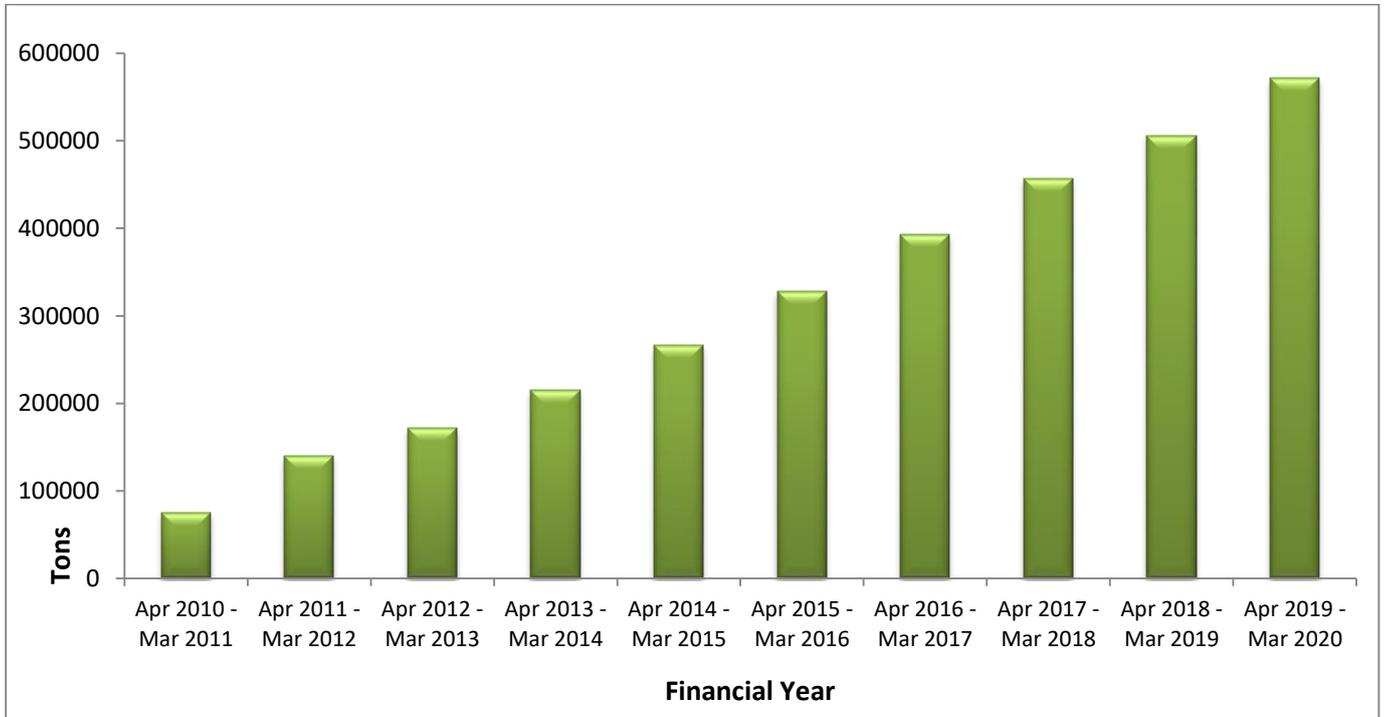
REVERSE VENDING MACHINE AWARENESS CAMPAIGN – CMBT BUS STAND

Industrial Waste Management Association plans to hold an event about the uses of **Reverse Vending Machines** which will attract public attention, so we have organized a team from the St. Thomas Arts and Sciences college to conduct road shows, such as Tamil Nadu tradition Dance and the PLA card display rally in order to make more efficient use of the machine at the bus terminal on **Platform #03 on 23rd of February, 2020** is a concept of awareness programs.

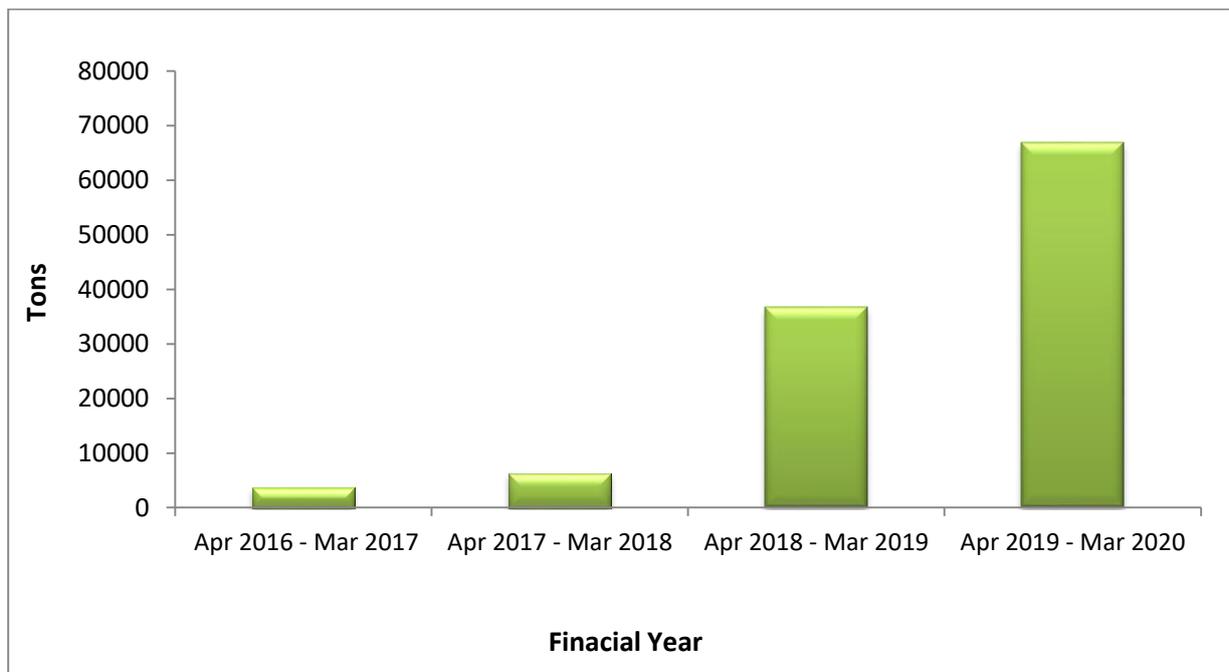
Awareness Rally & Street Play like Parai Attam, Puli Attam, Oyil Attam, Silambattam, Street Play and Awareness Rally was organized to reach the public/passengers about the presence of the machine and they too will dispose the plastic bottles in the machine instead of throwing them on any place at their convenience.



**CUMMULATIVE REPRESENTATION OF HAZARDOUS WASTE DISPOSAL AT
 CHWTSDF – GUMMIDIPOONDI**



**CUMMULATIVE 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.</p> <p><u>Land Area:</u> ~ 27 Acres</p> <p><u>Facilities:</u></p> <ul style="list-style-type: none"> • Total Landfill Disposed quantity: 5,277 Lakh MT Cell 1 - Completed Cell 2 - Completed Cell 3 - Completed Cell 4 - Completed Cell 5 - Completed Cell 6 - Completed Cell 7 - Under operation (60157 MT - March 2020) Cell 8 - Under construction • <u>Incinerator</u> <u>Disposed quantity:</u> 43,491 MT <p><u>Capacity:</u> 100,000 TPA for Landfill 1.0 Tons/Hour for Incinerator</p> <p><u>Land Owned by:</u> IWMA <u>Service Provider:</u> TNWML, Chennai (Group of Ramky Industries)</p> <p><u>Additional land area:</u> 26 Acres</p> <ul style="list-style-type: none"> • Compound Wall • Greenbelt development • IIT Baseline Study for Water & Soil <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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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 Tamilnadu.</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> 66,841 MT Cell 1 - (1A, 1B, 1C) Cell 1A - Completed Cell 1B - Under Operation 30,141 MT (March 2020) Cell 1C - Under Construction <p><u>Capacity:</u> 240000 TPA for Landfill</p> <p><u>Project Promoter:</u> IWMA & Ramky Enviro Engineers Ltd.</p> <p><u>Service Provider:</u> Tamil Nadu Waste Management Ltd, 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

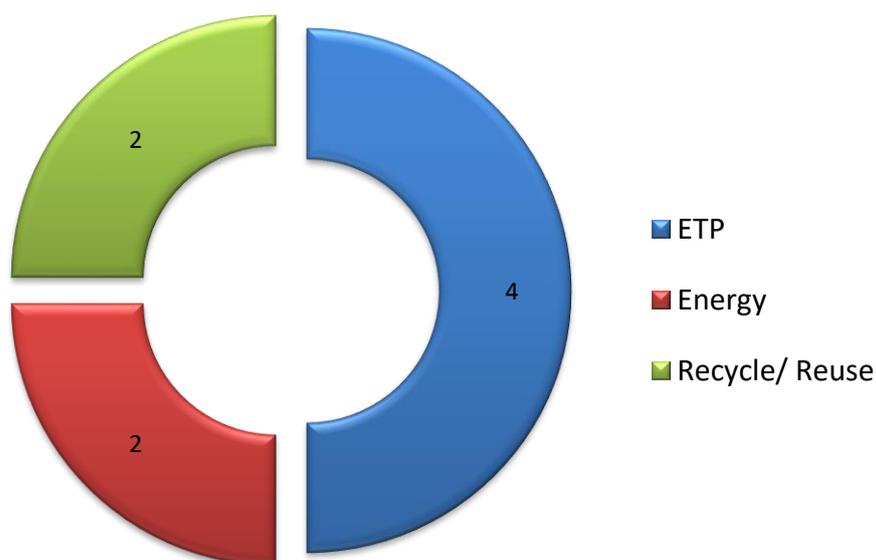
1. Foundry Industry:

IWMA along with IIT Madras has been involved in exploring innovative solutions for recycling/reuse of foundry sand fines generated from foundry process. IWMA has facilitated meetings of foundry industry and IIT research community for a better understanding of the actual problem statement. IWMA along with IIT Madras faculty visited the site, had detailed discussion with industry members on the process of generation and past experiences in handling the foundry sand fines. In parallel, some efforts have been initiated with IIT Bombay also on the same subject.

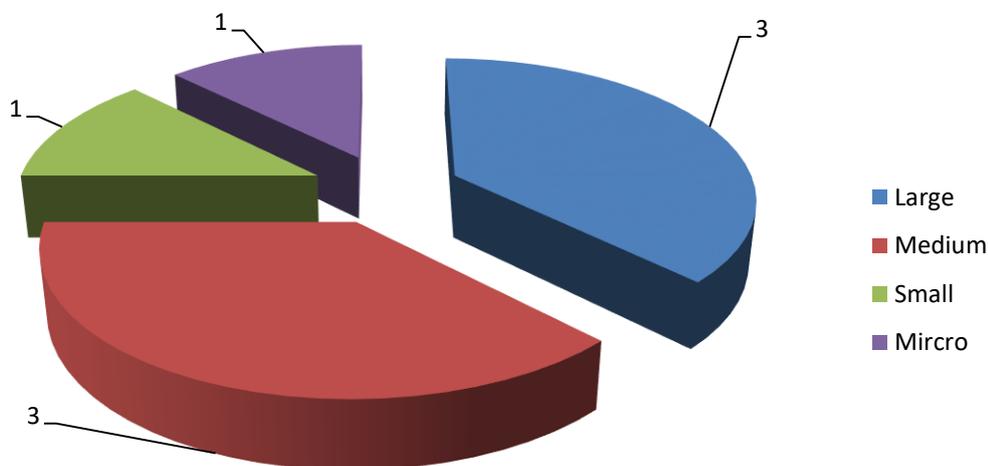
2. Industry Interface

The IWMA project teams closely associate themselves with the member industries and are currently working on 8 projects in various sectors, valuing the trust and confidentiality of the member industries.

Ongoing Projects - Sectorwise



Projects - Scalewise



IWMA is committed to troubleshooting and solving environmental problems for their member industries with inputs from domain experts.

Some examples:

i. Treatment of Pharmaceutical Effluent

A crystal-clear effluent from the pharmaceutical industry on analysis has shown that physio-chemical (viz., COD and TDS) parameters are high. IWMA along with the domain expert is in the process of exploring if it would be possible to treat the effluent separately and improve the efficiency of ETP.

ii. Adequacy and Efficacy of Effluent Treatment Plant

Study has been undertaken to evaluate the performance of the effluent treatment plant in a dyeing industry located at Perundurai. Domain expert observed that this unit's ETP is functioning well. So only minor opportunities are available for further improvements. An additional site visit of the expert & his engineer is being looked at.

Further till date, IWMA has addressed 92 technical queries received from the members to their satisfaction.

3. Joint Venture

i) Centre for Urban Buildings and Environment (CUBE) - IIT Madras

CUBE is a centre of excellence established jointly by IIT Madras and Government of Tamil Nadu. IWMA has signed an agreement with CUBE and is in process of initiating projects for solving the industry problems on environment concerns. CUBE was requested to conduct an environmental audit of the ETP at an electroplating industry. Draft study report has been prepared based on the existing treatment mechanism and same is under discussion with the industry representative.

ii) Confederation of Indian Industry (CII)

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

CII-Green Company Rating System (GreenCo):

GreenCo is a holistic framework to define and assess "how green" a company is. GreenCo Rating System acts as a tool where a member company can understand their current performance on the environmental front and help determine the next steps to improve further.

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.

CII will facilitate and certify the participating units. The steps involved include launch & training program, handholding visits, site assessment and award for the rating and providing feedback report on further improvement opportunities. IWMA by absorbing significant part of the GreenCo assessment fees is collaborating CII in the GreenCo journey of interested member IWMA MSME industries. We hope that many IWMA MSME industries will come forward and take advantage of this scheme.

iii) Industrial Energy Assessment Cell (IEAC) IIT Madras

IEAC (Industrial Energy Assessment Cell) is a dedicated cell created by Indian Institute of Technology Madras (IIT M) to help industries reduce energy consumption through assessments as well as by providing evaluated technological solutions. IWMA is collaborating with IEAC to provide this service to IWMA member industries

IEAC has completed **one** walk-through assessment cum baseline data collection in textile processing industry, Erode district and **one** baseline data collection textile processing industry, Namakkal district for energy assessment. The physical site visits that cover the energy assessments is expected to be taken up once the COVID situation improves.

iv) PSG Institutions

IWMA has signed an agreement with PSG TECH, Coimbatore to establish **Green Product & Process Solution (GPS) program**. The objective of this program is to identify solutions for improving the environmental sustainability of industrial manufacturing practices.

Green Product & Process Solution (GPS) program:

IWMA is providing the problem statements in the area of environment, energy conservation and green manufacturing from either individual member industries or industry clusters. IWMA is coordinating with member industries for getting necessary information and arranging samples required for the PSG-STEP for conducting studies and for providing cost effective solutions.

As a pilot project, IWMA & PSG STEP have taken problem statement from one of our interested resin manufacturer member Industry. Two faculty members from different department in PSG-TECH have visited the industry and collected samples from the industry's effluent treatment plant to provide a proposal for taking up the project. We expect to progress with the project after COVID situation improves.

4. Carbon Zero Challenge – A pioneering initiative on energy and environment along with IIT Madras.

Carbon Zero Challenge (CZeroC) is a Green Business Idea Competition pioneered by IIT Madras along with Virtusa. U.S. Consulate General Chennai played a key role when this program was first launched in 2017. IWMA is organizing partner.

CZC is a one of its kind All India Energy and Environment Innovation & Entrepreneurship Contest with a vision to “create a global impact by combining three powerful factors Innovation & Entrepreneurship, Energy & Environment and Youth to protect future generations” and support eco- entrepreneurs.

The program’s motto ‘Ideate, Innovate, Incubate’ essentially summarize IIT Madras’s continuous efforts to enable an ecosystem where students/early stage start-ups from across the country ideate and innovate for the greater good of society and incubate start-ups to become job creators. CZC aims to trigger novel ideas towards developing carbon neutral systems to serve major sectors which are plagued by energy and environmental challenges. The thematic areas are: Agriculture, Industries, Transportation systems, Urban Areas & Cities, and Water & Waste management.

Achievements of CZC 2018 & 2019:

Carbon Zero Challenge (CZC) 2019 is the second edition launched on 05th June, 2018. CZC 2019 received registrations from 4454+ students & start-ups from 25 Indian States and 2 UTs. From 996 completed applications, 24 teams were shortlisted and received training & mentoring. These shortlisted teams demonstrated their products during the finale at IIT Madras between 05th and 07th June 2019 in front of an eminent jury as well as to many distinguished guests, Director and faculty of IIT Madras.

CZC’s 100+ strong network of academic and industry professionals (international and Indians), selected 46 proposals from CZC 2018 and CZC 2019 for prototype funding of up to Rs. 5 Lakhs each and 8 teams for incubation funding of up to Rs. 10 Lakhs each.

CZC teams have undergone 22 hours of classroom and online training on business development. Individual mentorship was provided to the teams from the panel consisting of 100+ technical and business judges and mentors.

Teams could also apply to other additional opportunities for funding while engineering their prototype under the support of CZC. Team's parts of the previous edition were also given opportunity to participate in the training sessions and webinars. CZC has thus created an ecosystem for interaction and promotion of cleantech innovators.

Achievements-Teams

Some of the notable achievements of the teams that we supported are mentioned below:

Start-up	Brief description	Achievements
Samudhyoga Waste Chakra, IIT Madras	Developing a community level off grid plastic pyrolysis unit.	<ol style="list-style-type: none"> 1. Innovation Excellence Award Winner @CZeroC'18 - incubation funding support of Rs.10 Lakhs. 2. Received funding grant from EIL 3. Being incubated at IIT Madras
U-Farm Technologies, Mumbai	Urban farming start up that combines highly efficient vertical farming techniques with IoT technologies and data science.	<ol style="list-style-type: none"> 1. Technical Excellence Award Winner @CZeroC'18 2. Pilot in operation@ Mumbai 3. Incubated in IIT-Bombay & RIIDL 4. Funds received from BIRAC & Seed funding from IIT-Bombay. 5. Investors have expressed interest in the start up.

Start-up	Brief description	Achievements
Carpro Technologies, Coimbatore	Agricultural dehydrator to increase the shelf life of fruits, vegetables and spices without any change in nutritional value, colour, taste or aroma.	<ol style="list-style-type: none"> 1. One among the winners of CZC 2019 with incubation funding support of Rs.5 Lakhs 2. Funded by PSG-STEP, Coimbatore. 3. One among the winners of Tamil Nadu Innovation grand challenge winners. 4. One among the winners of RKVY organized by the Ministry of agriculture & farmers welfare 5. Pilot units being set up
Enviraj Consulting, Gwalior	Sensor based irrigation to enable intelligent, hassle free irrigation with minimal water usage.	<ol style="list-style-type: none"> 1. Incubated with IIM-Kashipur 2. Received funding from EIL 3. Collaboration with ICLEI 4. Awarded by the Chief Minister of Uttarakhand, Shri Trivendra Singh Rawat. 5. Surveying & providing water treatment facilities during COVID.
InGo Electric, Bengaluru	Smart sustainable mobility solution: Portable vehicles that is connected and stylish.	<p>Received funding from</p> <ol style="list-style-type: none"> a) Bosch DNA b) NSRCEL of IIMB

Student Team	Brief description	Achievements
Pristine Energia, IIT Madras	Self sustained integrated closed cycle coconut shell activated carbon production process.	1. Investors have expressed interest to invest in the startup
PaperLabs, IIT Madras	Paper based analytical device for monitoring pesticide residues in fruits and vegetables.	1. Field trial of their product under progress.
Water Chakra, IIT Madras	Recovery of water from urine from waterless urinals with the modular onsite nutrient recovery unit	1. Winners of IIGP 2.0 and got funding of 10,00,000 INR 2. Finalists of Climate Launch Pad 2019 3. Secured 2nd prize in E-summit competition organized by IIT Madras & funding of Rs.40,000 4. Selected for IMPRINT funding, an MHRD supported Pan-IIT + IISC joint initiative 5. Selected for funding from SPARC initiative.
Germ Safe Technology, Institute of Chemical Technology, Mumbai	Water disinfecting device based on hydrodynamic cavitations.	1. Winner- Aarohan Social Innovation Awards 2019 2. UAA Students of the Year Award 2018.

<p>Wricks, Techno India NJR Institute of Technology, Udaipur</p>	<p>Eco-friendly, low cost and light weight bricks, paver blocks, kerb stones, tree guards with a low carbon footprint</p>	<ol style="list-style-type: none"> 1. Incubation Grant of Rs. 10 Lakh by AICTE MIC (MHRD Innovation Cell). Currently being incubated at Incubation Center at Techno India NJR Institute of Technology, Udaipur. 2. Rs. 5 Lakhs Rupee Development Grant from EcoGrants (PVRNest and C4Y), June 2019. 3. First Runner Up at TISS, Social Venture Challenge- iPrenuer'19, TATA Institute of Social Sciences, December 2019. 4. Selected for Launch and Zoom 2.0, Accelerator Program by IIM Udaipur. 12 week long learning, mentoring and networking Boot Camp followed by a Demo Day, January 2020. 5. Idea was selected as one of the 100 Great Ideas by Indian Express 100 Great Ideas.
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IIT Madras acknowledged the contributions made by IWMA for the success of Carbon Zero Challenge and for impact created in student and start up ecosystem.

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 2020, and the Income and Expenditure account, and Receipts and Payments for the year ended 31st March 2020 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, 2020, 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.



Regd.No 256/2002

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**

Sd/-

H. Chandrasekaran

Partner

Membership No: 022821

UDIN - 20022821AAAAGM1711

Place: Chennai

Date: 27.12.2020

ANNEXURE TO AUDITOR'S REPORT

We have examined the annexed Income & Expenditure Account and Receipts and Payment account for the year ending 31.03.2020 and the Statement of Affairs as at the above date of 31.03.2020, of M/s. Industrial Waste Management Association, Registration No. 256/2002 with the Books of Accounts and vouchers relating thereto and report that:

- a) Accounts department to be strengthened to update the accounts from time to time to fulfill the requirement of generally accepted standard of accounting.
- b) Many Members' subscription directly credited to the association bank account not been able to given credit to the respective members for want of details. During the year Rs.20,16,794 received from the parties, not identified. The same is taken as income after adjusting the GST.
- c) GST on account of the said above receipts are not yet paid to the department.
- d) Many subscriptions received during January 2019 to March 2019 shown in the Bank reconciliation statement of 2018-19, not reconciled yet.
- e) No records produced for non-receipt of subscription from members.
- f) There is a delay in filing of GST and TDS returns, resulted in additional levy of fee u/s 234E of the Income Tax Act.
- g) During the year, the association purchased 3 grounds of residential plots at Mudali Thottam, Periyasemur, Erode district for Rs.1,51,20,000 from the Vice President of the association, Mr. Jaganathan and family with Executive Committee approval. Land cost being Rs.1,33,20,000 and cost of value additions on the Land is Rs.18,00,000. The guideline value fixed by the Government for Land is Rs.48,24,000.
- h) Because of the above said transaction, we are not able to commit on the report of "Funds or Property of the Association are applied only for the objects of the association"
- i) The Cash balance and vouchers in the custody of the Association on the date of the audit were in agreement with the accounts ;
- j) The books, deeds, accounts, vouchers and other documents or records required by us were produced before us ;
- k) The Accountant appeared before us and furnished necessary information required by us;

- l) 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.
- m) Except the GST and TDS payable shown in the Balance sheet, no other disputed or undisputed statutory dues are payable.
- n) 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.
- o) No alienation of the immovable properties is made.

Place : Chennai

Date : 27.12.2020

**For VARADARAJAN & Co.
CHARTERED ACCOUNTANT**

Sd/-

H.CHANDRASEKARAN

PARTNER

UDIN - 20022821AAAAGM1711

7,823	Bank Charges	73,388		
21,096	Boarding & Hotel Expenses - Admin	4,770		
2,37,800	To CMWSSB			
	To Common Area Maintenance Ten Square Mall Expenses			
10,873	Civil Work - Office	1,19,938		
	Common Area Maintenance	2,32,922		
	Computer & Peripherals	36,093		
	Consultancy Charges	48,400		
	Contractual Services	25,250		
76,079	Conveyance Expenses	1,850		
2,86,396	Electricity Charges	3,01,360		
546	GST Late Fee / Interest	48,713		
13,500	House Keeping Expenses Office	450		
2,800	To Iwma Inauguration Expenses			
97	To Iwma Office Shifting Expenses			
5,742	Miscellaneous Expenses - Admin	7,580		
1,84,411	Mobile Phone Expenses	31,521		
17,263	Postage and Telegram	4,11,419		
26,579	Property Tax	1,96,637		
	To Repairs and Maintenance			
1,60,054	Seminar Fee - Admin	2,360		
7,954	Software Maintenance Expenses	86,478		
26,973	Staff Recruitment	43,200		
1,12,000	Staff Welfare	8,918		
9,117	Statutory Audit - Admin	75,000		
9,103	Subscription Charges - Expenses	20,000		
40,441	To Taxes Paid			
	Telephone Expenses	18,400		
	Travel - CIL	60,105		
2,14,891	Travelling Expenses - Admin	78,183		
4,205	Water Expenses	4,725		
21,43,842	Salary and Honarium	24,00,934		
	Advocate Charges - ERD Land	10,000		
8,21,322	AGM Meeting Expenses	50,000		
	CM FUND	5,00,000		
	FD Premature Closure (Loss)	22,606		
1,00,000	Registrar of Societies	16,485		
	Sponsorship	1,35,000		
3,42,638	Income Tax- Opening TDS	2,32,784		
	To Depreciation	24,04,726		
56,24,510	To Excess of Income over Expenditure	26,12,048		
1,28,65,188		1,46,86,171		1,46,86,171

For Industrial Waste Management Association

Sd/-
Chairman

Sd/-
Secretary

Sd/-
Treasurer

For Varadarajan & Co.
Chartered Accountants

Sd/-
H. Chandrasekaran
Partner.

UDIN - 20022821AAAAAGM1711

Date : 27.12.2020

Place: Chennai

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

RECEIPTS AND PAYMENTS ACCOUNT FOR THE YEAR ENDED 31.03.2020

31.03.2019	RECEIPTS	31.03.2020	31.03.2019	PAYMENTS	31.03.2020
	Opening balance			Adequacy Audit - PROJECT	54,240
13,062	- Cash at Indian bank	5,960			
22,58,357	- Cash in Hand	18,24,942	9,44,345	ADVOGATE CHARGES - ERD LAND	10,000
8,839	- Cash at Bank (SBI - Admin)	8,839	18,585	AGM Meeting Expenses	50,000
	- Cash at Bank (SBI - Infra)	21,768		AMC - Computers & Laptops	21,830
	- Kotak Mahindra Bank			AMC - Fire Alarm	20,650
17,500	Training Hall Rental Income			AMC - Water Dispenser Machine	4,307
1,19,60,000	Tamilnadu Waste Management Limited	5,12,02,599		Audit Expenses - HWTSDf	13,356
11,900	Promotion	-	7,055	Advertisement Expenses	5,125
25,000	Technical Service Fees	-	10,306	Ayudha Pooja Expenses	73,388
11,768	Bank Interest - Kotak Mahindra Bank	-	6,529	Bank Charges	999
1,62,450	Income Tax Refund	53,420	7,823	Boarding & Hotel Expenses - Admin	42,452
3,000	Training Honorarium Receipts	-		Boarding & Hotel Expenses - AGM / SEMINAR	42,452
130	Sale of Old Newspaper	-		Boarding & Hotel Expenses - Project	7,786
	Fixed Deposits	1,69,77,394		Boarding & Hotel Expenses - YES	68,344
	Old Office Rental Advance received	200000	21,096	Boarding Expenses - Seminar	22,592
	Sponsorship Income	116000		Cash Prize - YES	1,95,000
1,82,400	Subscription Income	14160	2,36,196	Civil Work - Office	1,33,318
	FD Interest KMB	88460		CM FUND	5,00,000
	Interest on FD	9,04,382		Common Area Maintenance	2,48,280
3,97,955	Seminar fee	4,33,453		Complement / Gift Expenses - AGM / Seminar	2,55,388
3,87,750	Training fee	1,00,117	12,200	Complementary Expenses - Enviro	1,81,471
	Training Hall Rental Income	44,250		Complementary Expenses - Seminar	36,120
	Associate Member			Computer & Peripherals	42,589
41,40,268	Subscription LARGE(Incl INFRA)	1,25,13,519		Computer UPS	9,750
	Subscription Small/Micro/medium (Combined)			Consultancy Charges	48,400
1,33,83,137	Subscription MEDIUM(Incl INFRA)	31,51,736	76,079	Conveyance Expenses	1,850
	Subscription MICRO(Incl INFRA)	8,05,529		Deposits	1,00,00,000
	Subscription SMALL(Incl INFRA)	14,61,453		EC Conveyance Expenses	2,96,345
	Registration Fee	1,68,130		EC Meeting Food Expenses	500
	Unidentified Subscription	20,16,794		EC Meeting Housekeeping Expenses	9,134
				EC Meeting Travel Expenses	
				EC Meeting Hotel Expenses	
				EC Travel Expenses	4,055
				Electricity Charges	2,88,858
				Electricity Charges - RVM	5,413
				Advances to the IWMA Staff for Expenses	67,000
				Enviro Expenses	16,908
				Enviro Honorium	13,000
				Enviro Program Certificates	25,000
				Enviro Program Conveyance	37,640
				Enviro Program Expenses Hall Rent	
				Enviro Program Food	
				Enviro Program Gifts	
				Enviro Program Prizes	
				Malathi Sridaran	20,500
				Enviro Program Photo Expenses	1,49,68,800
				Erode land Purchase	1,52,422
				Event Decoration - AGM / Seminar	

				540
				28,192
				1,80,589
				12,644
				7,070
				1,944
				3,742
				2,030
				26,877
				32,951
				2,06,500
				23,90,501
				48,713
				2,29,775
				1,20,000
				25,900
				13,413
				100
				450
				1,240
				16,63,200
				3,000
				7,580
				6,244
				49,920
				9,017
				10,000
				13,000
				4,61,002
				2,97,675
				55,120
				11,970
				1,91,775
				1,18,800
				2,20,000
				1,96,637
				16,485
				1
				2,71,505
				22,65,384
Food & Snacks- AGM / Seminar				
Food & Snacks Expenses - EC Meeting				
Food & Snacks Expenses - Enviro				
Food & Snacks Expenses - Training				
Food and Meeting Expenses - Admin				
Food Expense - Seminar				
Food Expenses - HWTSDF	1,566			
Food Expenses - Projects				
Freight Charges - Seminar				
Gift Expenses - Seminar				
Gifts & Memento Expenses - YES				
Rvm Machine Installation		19,38,180		
GST		546		
GST Late Fee				
Hall Rent & Food - AGM / Seminar				
Hall Rent & Food - Seminar				
Honarium Expenses - Training				
Honorarium Fee - Seminar				
Hotel Expenses - Seminar				
House Keeping Expenses Office	1,500			
HWTSDF Hotel Expenses	4,108			
Iwma Inauguration Expenses	13,230			
Iwma Office Shifting Expenses	2,800			
Land Registration Charges				
Media / Press Expenses - YES	97			
Miscellaneous Expenses - Admin				
Miscellaneous Expenses - Enviro	50,518			
Mobile Phone Expenses & Telephone	3,668			
Office Asset	11,698			
Office Items				
Photography - Seminar				
Photography Expenses - AGM / Seminar				
Postage and Telegram	2,07,860			
Printing & Stationery - AGM / SEMINAR	94,653			
Printing & Stationery - Enviro				
Printing & Stationery - Project				
Printing and Stationery				
Project Consultant Wapcos	4,04,875			
Project Consultant Sartime	79,760			
Project - Consultancy Charges				
Project Sponsorship Expenses	18,523			
Project Travel	46,356			
Textail Residual Salts - Project	5,057			
Property Tax	17,263			
Repairs and Maintenance	30,047			
Registrar of Societies				
Round Off				
RVM Campaign Expenses				
Salary and Honorium	21,43,841			

10,050	Seminar - Printing and Stationery	22,077
62,686	Seminar Travel Expenses	2,360
1,000	Seminar Volunteer Expenses	59,82,000
1,30,357	Seminar Food Expense	4,55,21,100
22,700	Seminar Hall Rent	96,486
7,840	Seminar - Photography	1,62,000
18,300	Seminar Gift Expenses	51,840
1,19,60,000	Seminar Fee - Admin	7,453
	SIPCOOT	11,477
	Sipcot - Burgur	22,800
1,73,019	Software Maintenance Expenses	20,936
1,08,000	Sponsorship	72,111
9,170	Subscription Expenses	1,000
7,954	Staff Recruitment	
26,973	Staff Welfare	
2,01,000	Stationeries Expenses - Seminar	
	Statutory Audit - Admin	
	Subscription Charges - Expenses	
9,103	Taxes Paid	
1,27,962	TDS	
66,860	Tea and Coffee Food for Expenses	
3,350	Training House Keeping Expenses	
10,101	Training Conveyance Expenses	
53,992	Training Expenses - Food	
87,144	Training Honorium Expenses	
4,460	Training Program Gift	
5,023	Training Travelling Expenses	
	Travel - CII	60,105
	Travel Expenses - Enviro	2,994
66,002	TRAVEL EXPENSES - HWT/SDF	20,672
	TRAVEL EXPENSES - PROJECT	67,567
	Travel Expenses - Seminar	93,389
2,14,891	TRAVEL EXPENSES - YES	1,46,956
	Travelling Expenses - Admin	77,873
	Travelling Expenses - AGM / Seminar	19,210
	Travel Expenses - Training	1,400
	Volunteer Expenses - YES	7,850
	Project Consultancy (Wapcos)- Opening Provision	75,000
4,205	Water Expenses	4,728
2,37,927	YES Program Expenses	45,845
	YES - Complementary Expenses	2,55,715
	YES - Food & Snacks Expenses	52,175
	YES - HALL RENTAL CHARGES	24,000
	YES - Photography	79,010
	YES - Printing & Stationery	1,000
	YES Program Expenses	
5,960	Closing Balance	
	- Cash in Hand	12,963
	- Cash at Bank	
21,768	Kotak Mahindra Bank	6,15,238
18,24,942	SBI Admin	12,75,690
8,839	SBI Infra	8,839
3,30,77,576		9,21,57,155
3,30,77,576		

For Industrial Waste Management Association

For Varadarajan & Co.
Chartered Accountants

Treasurer

Secretary

Chairman

H. Chandrasekaran
Partner.

UDIN - 20022821AAAAAGM1711

Date: 27.12.2020

Place: Chennai

INDUSTRIAL WASTE MANAGEMENT ASSOCIATION

DEPRECIATION SCHEDULE AS PER INCOME TAX ACT

PARTICULARS	AS ON 01.04.2019	ADDITIONS >180DAYS	ADDITIONS <180DAYS	DELETIONS	TOTAL	%	DEPN	AS ON 31.03.2020
Training Instruments	23,542				23,542	15%	3,531	20,011
Erode Land Purchase			1,67,83,200		1,67,83,200	0%	-	1,67,83,200
Koyambedu office building	2,11,67,269				2,11,67,269	10%	21,16,727	1,90,50,542
Koyambedu office Land	90,61,892				90,61,892	0%	-	90,61,892
Airconditioner	3,52,356				3,52,356	10%	35,236	3,17,120
Camera	5,503				5,503	15%	826	4,678
Computer	41,349				41,349	40%	16,540	24,809
CCTV Camera	17,951				17,951	40%	7,180	10,771
Cordless Phone	1,073				1,073	15%	161	912
UPS	-	8,263			8,263	40%	3,305	4,958
Fire extinguisher	88,040				88,040	15%	13,206	74,834
Furniture & Fittings	3,45,221				3,45,221	10%	34,522	3,10,699
Electrical fittings	4,99,374				4,99,374	15%	74,906	4,24,468
Inverter	25,388				25,388	15%	3,808	21,580
Laptop	3,962				3,962	40%	1,585	2,377
Name Board	4,210				4,210	15%	631	3,578
Printer	7,436				7,436	15%	1,115	6,320
Reverse Vending Machine	1,61,875				1,61,875	15%	24,281	1,37,594
Water Dispenser	3,067				3,067	15%	460	2,607
Projector	1,17,512				1,17,512	15%	17,627	99,885
Xerox Machine	12,120				12,120	15%	1,818	10,302
Safety Locker	25,096				25,096	15%	3,764	21,332
EBAX	77,570				77,570	15%	11,635	65,934
Software	78,034				78,034	40%	31,213	46,820
Mobile	4,312				4,312	15%	647	3,665
TOTAL	3,21,24,151	8,263	1,67,83,200	-	4,89,15,614		24,04,726	4,65,10,888





Registered Office

INDUSTRIAL WASTE MANAGEMENT ASSOCIATION

#409, 3rd Floor, Ten Square Mall,

No.64, Jawaharlal Nehru Road,

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