



Regd No. 256/2002

# INDUSTRIAL WASTE MANAGEMENT ASSOCIATION



## 19<sup>th</sup> Annual General Meeting Annual Report 2020 - 2021



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## **Chairman's Message**



Dear Members,


It is my privilege to present to you the 19<sup>th</sup> Annual Report of the Industrial Waste Management Association for FY 2020-21 and share the key highlights of the progress and strategic roadmap going forward. As association, we have always strived hard to provide better service to our member industries.

The year 2020 was the most challenging year in the history of mankind. The widespread outbreak of COVID-19 forced the entire nation into many lockdowns and inflicted a huge economic recession. Amid the profound upheaval, our association never wavered in supporting the member industries during this adversity.

Due to unabated efforts from us, we have organized webinars on crucial environmental topics and had an astonishing response from member industries. Our Covid-19 related webinars such as 'Knowing and dealing with Covid-19 at workplace and Industries post Covid-19: Reboot, Upgrade & Restart' has received great attention from members during pandemic. Our initiatives had a warm welcome from industries which gave us motivation to continue organizing webinars till now. We ended the year more certain than ever with the positive note.

IWMA commitment towards the safe and scientific disposal of hazardous waste from all member industries is our utmost priority and responsibility to protect our environment. I am very honoured to have had the opportunity to serve as your Chairman and have confidence that Office Bearers and Executive Committee members will continue to build upon the success of the association. Last but not least, I would like to thank the entire IWMA team and all members for their support amidst this tumultuous period.

Best wishes to all members



**Mr. K. Baskaran, Chairman, IWMA.**

## **Secretary's Message**



### **SECRETARY'S REPORT**

As the Secretary of the Industrial Waste Management Association, I want to express my deepest gratitude to all Office Bearers and Executive Committee members for making this association truly unique and significant. I'm very pleased to be keeping this report for the financial year 2020-21. I'm privileged to be a part of IWMA and to take part in its quest for greater success in the future.

I have enormous pleasure to announce that our organization's member strength is 3015 as of 31<sup>st</sup> March 2021. This is evident because of our continuous and dedicated service to the industries in the field of Hazardous Waste Management.

We, at the IWMA Secretariat, are committed to deliver distinguished services and support to our member industries and to our communities. Through our working communities, we are actively endorsing sustainable developments practices and initiatives.

### **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.



- ❖ Signed MoU with Sri Ramachandra Institute of Higher Education & Research (SRIHER) on technical and Programme collaborations.
- ❖ 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 strong and experienced Executive Committee consisting of professionals, industrialists, and specialists to guide the organization. IWMA conducts EC Meetings every month to take prompt and appropriate decisions to guide the Secretariat towards successful and expeditious implementation of the responsibilities.

With profound sense of gratitude, I would like to thank Office Bearers and Executive Committee members for supporting me in the successful completion of this year.

## **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 Tamil Nadu Waste Management Limited (TNWML) who was selected through competitive bidding.

During the 2020-21 period, at Gummidipoondi facility, Cell 8 is in Operation and handled 82,062 MT of direct landfillable waste. Additionally, 5898 MT of incinerable wastes were handled there. Currently Cell 7 is completely utilised, and Cell 8 is in operational and expected to be operational till the end of 2021. Cell 8A is constructed additionally for effective utilization of space.

In addition, IWMA has also purchased 26 acres there itself for future use. Cell 9 construction has started in the new land, and it is expected to be finished in few months. We hope to bring the new landfill cells operational by Q1 of 2022-23.

To ensure that the landfill cells are impeccable, IIT Madras inspects and send the report after each stage of liner construction. Furthermore, IWMA technical team conducts audit periodically to confirm that they are in compliance with the environmental norms.

## **2. Bargur Facility**

IWMA has established the new facility at Bargur, Krishnagiri district upon getting the permission from SIPCOT in order to avoid the burden and the lack of space at Gummidipoondi facility and also to facilitate the western region of Tamil Nadu where 30% of IWMA members are present.

During November 2019, IWMA has leased 25 acres of land in its name at Bargur SIPCOT for establishment of Integrated CHWTSDF. We hope to bring the new landfill cells operational by Q1 of 2022-23. Operations will start at the end of the year.

## **3. Virudhunagar Facility**

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

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

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

During the 2020-21 period, Cell 1 at Virudhunagar facility was in operation and handled 26,196 MT of direct landfillable waste.

## **COORDINATION WITH GOVERNMENT BODIES**

### **TNPCB**

IWMA has affable 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 who are 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. Periodical updates are shared with SIPCOT regarding construction of new landfills.

### **SECRETARIAT ACTIVITIES**

#### **Own Head Office**

Since 05<sup>th</sup> 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 and Training Programmes in our new 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 close proximity to Integrated CHWTSDF which is to be made operational at Bargur. 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 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 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.

Due to the unprecedented pandemic situation, IWMA switched over from seminars to webinars and conducted over 50 webinars as of 31<sup>st</sup> August 2021.

### **CSR ACTIVITIES**

#### **Firecracker Disposal**

Greater Chennai Corporation regularly requests us to accept the Firecracker wastes and dispose it at our Gummidipoondi CHWTSDP during every Diwali Festival. In the year 2020, 102 metric tons of firecracker wastes were safely disposed.

#### **Covid-19 related CSR activities**

During the second wave of Covid-19 pandemic, IWMA donated medical equipment worth Rs. 14,00,000 to Government Hospital in Tambaram, Chengalpattu district, Government Hospital in Perungattur, Tiruvannamala district and Government Hospital in Sriperumbudur, Kanchipuram district on 21<sup>st</sup> May 2021. IWMA also joined hands with CII Foundation and has donated Rs. 2,00,000 towards the establishment of permanent oxygen generator plant of 350 LPM in Tirupur region. In addition, IWMA has donated 50 cots, beds, and pillows worth Rs. 2,84,000 and medicines worth Rs. 50,000 to ESI Hospital in Coimbatore on 25<sup>th</sup> May 2021. Besides, IWMA has donated 6 oxygen concentrators worth Rs. 9,07,500 through Olirum Erode Foundation to Government Hospital in Erode.

#### **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 2019 Chennai programme, 84 projects were presented from 27 schools.



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

YES & ENVIRO programmes has been kept temporarily on hold for the year 2020 because of the ongoing COVID-19 pandemic lockdown all over the country. Since Tamil Nadu Directorate of School of Education has started online classes for school students, IWMA couldn't conduct YES programme.

Thanking all of you for your kind support.






**Mr.N.Palanisamy, Secretary, IWMA.**

**EXECUTIVE COMMITTEE FOR THE YEAR 2020-21 WITH  
 PHOTOGRAPHS**

<b>Chairman</b>  Mr. Baskaran K Managing Director Aarthi Industries	
<b>Vice Chairman</b>  Mr. Jagannathan R Director Sri Suryodhayaa Processing Pvt. Ltd.	
<b>Secretary</b>  Mr. Palanisamy N Managing Director Aruna Textile Processing Mills	
<b>Joint Secretary</b>  Mr. Thirugnanam R General Manager - Maintenance Simpson & Co. Ltd.	
<b>Treasurer</b>  Mr. Suresh Kandi Manoharan Partner Indi Enterprises	

**EXECUTIVE COMMITTEE MEMBERS FOR THE YEAR 2020-2021**

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



Mr. Thiagarajan M

Deputy Manager - Special Projects  
 Brakes India Ltd. (Unit 36)



<b>Auditor</b>	:	<b>Mr. H. Chandrasekaran, Varadarajan &amp; Co.</b>
<b>Advisor- Projects</b>	:	<b>Mr. K. Sivaraman</b>
<b>Secretariat:</b>		
<b>Senior Manager - Operations</b>	:	<b>Mr. R. Saravanan</b>
<b>Assistant manager – Resources</b>	:	<b>Mr. L.D.R. Manno</b>
<b>Assistant manager – Technical</b>	:	<b>Mr. S. Hemanth Ram</b>
<b>Senior Executive - Training &amp; Development</b>	:	<b>Ms. A.R. Nandhini</b>
<b>Executive – Membership</b>	:	<b>Mrs. E. Suganya Ravi</b>

## **WEBINARS**

Despite the tumultuous situation all over the world, we have successfully conducted 50 webinars during the lockdowns. The feedback from member industries has given us strength and motivation to conduct webinars till now. It is evident from participants count that every webinar is a successful one. It was received from the members that question and answer session after each webinar has helped member industries to clarify doubts and get solutions from experts. Due to unfortunate situation if members missed to attend the webinar, it is posted on our YouTube channel to be viewed later.

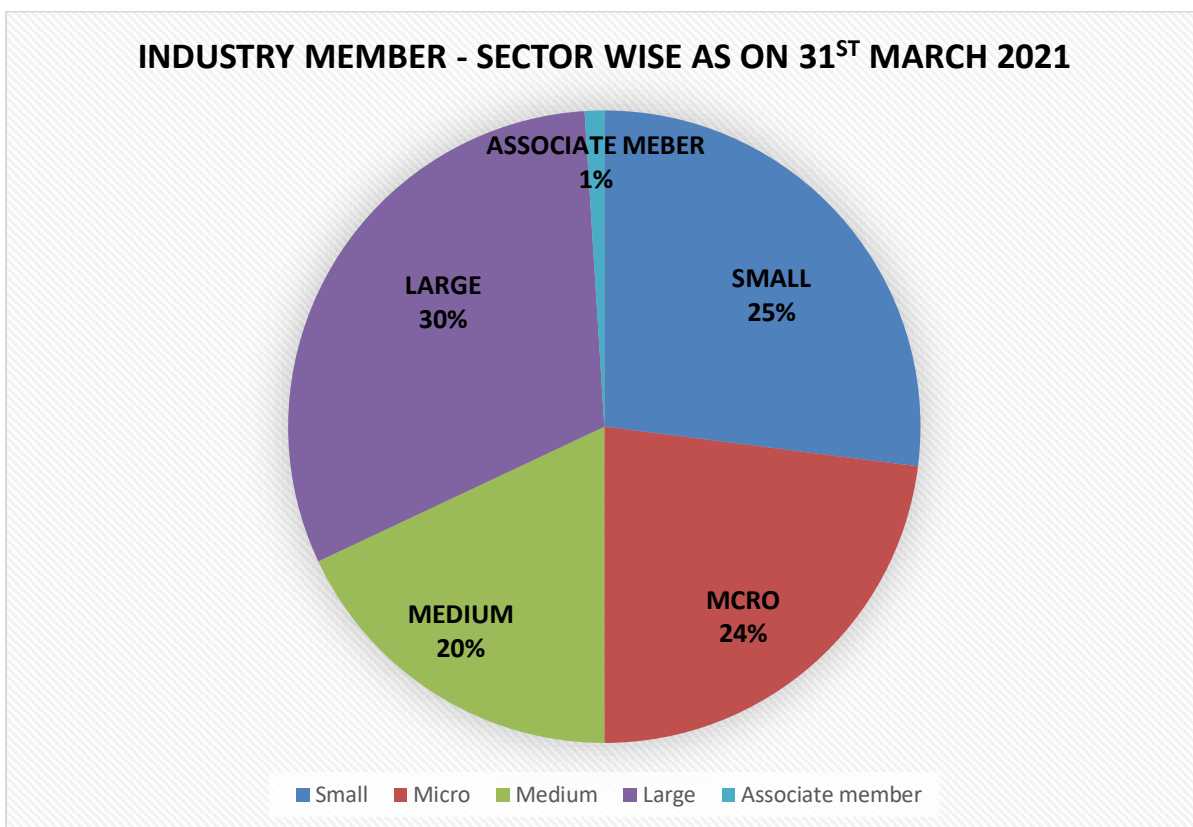
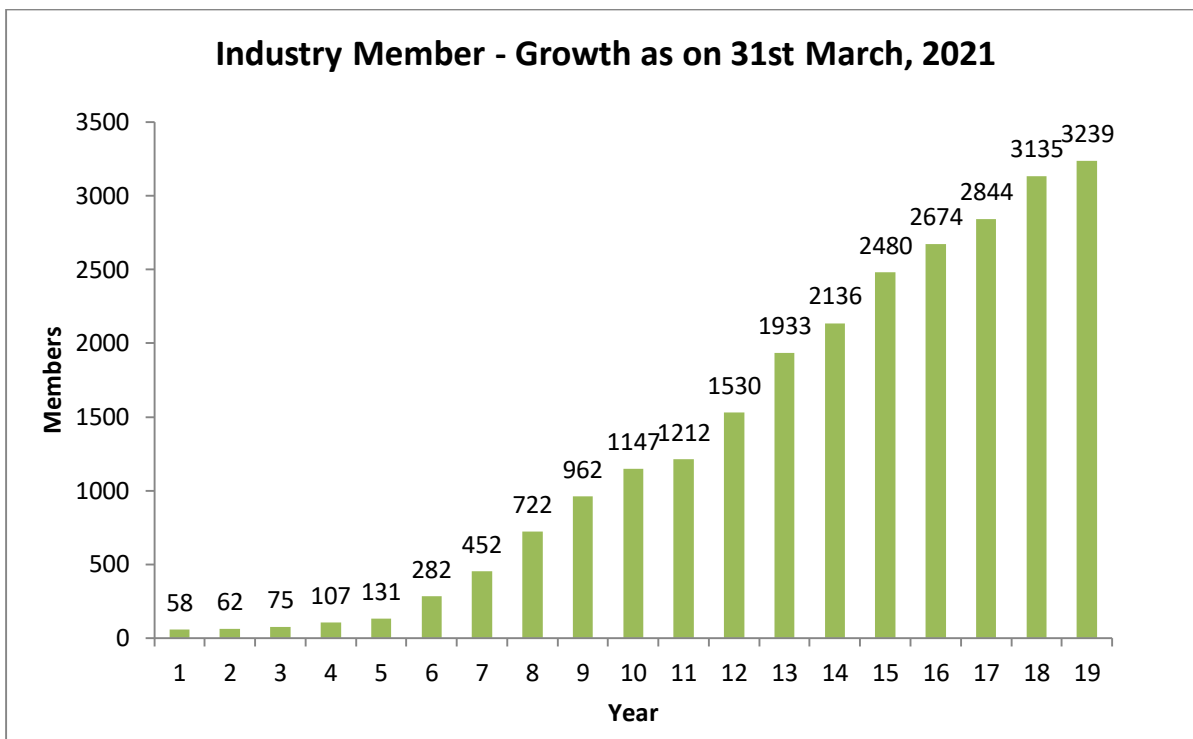
<b>S. No</b>	<b>Date</b>	<b>Webinar</b>	<b>No of participants</b>
1	02 May 2020	Environmental Health and Safety	91
2	07 May 2020	Waste Management and Pollution Control during Covid-19 Pandemic	164
3	12 May 2020	Knowing and Dealing with Covid-19 at Workplace	990
4	16 May 2020	Industries Post Covid-19: Reboot, Upgrade & Restart	98
5	22 May 2020	Waste Management and Pollution Control during Covid-19 Pandemic	60
6	28 May 2020	Knowing and Dealing with Covid-19 at Workplace	33
7	27 June 2020	Water Futures: Pathways for conservation and development	51
8	04 July 2020	Achieving Excellence in Resource Efficiency through GreenCo Rating	47
9	11 July 2020	Advanced integrated solutions to treat industrial effluents	86
10	25 July 2020	Efficient energy management in Industries	61
11	01 Aug 2020	Organic waste to fuel - Individual and cluster approach for industries	74
12	08 Aug 2020	Hazard identification and Risk Assessment	71
13	21 Aug 2020	E-waste & Impacts on environment	107
14	29 Aug 2020	COVID-19 Return to workplace guidance	87
15	05 Sep 2020	Zero waste to Landfill	74
16	12 Sep 2020	Alternate Energy Efficient Technologies (CGE & CFRO) - Brine Concentration and ZLD	65

S. No	Date	Webinar	No of participants
17	19 Sep 2020	Green Company Rating for industries	88
18	27 Sep 2020	Climate change and What a common man can do?	72
19	03 Oct 2020	Benefits and Implementation of ISO 50001-2018	72
20	10 Oct 2020	Cost reduction in the RO operation through "The Process simplification using Antiscalant and Antifoulant"	127
21	17 Oct 2020	Bowtie as a tool for efficient risk management	143
22	31 Oct 2020	Introduction to Hazardous Waste Operations and Emergency Response Management	82
23	07 Nov 2020	Plastic waste recycling	67
24	21 Nov 2020	Sustainable Industrial Wastewater Treatment	115
25	28 Nov 2020	Sustainability - Water challenge	76
26	05 Dec 2020	Wastewater Treatment Process and Energy Efficiency auditing of common effluent treatment plant for tannery and textile industries	65
27	12 Dec 2020	Overview of Bowtie & Barrier based systematic cause analysis technique	30
28	19 Dec 2020	Removal of biodegradable organics from wastewater	77
29	09 Jan 2021	Plastic waste recycling and Bio STP	37
30	23 Jan 2021	Indoor Air Quality for Industries	35
31	30 Jan 2021	Retro-Fitment of emission control device on diesel generator (DG)	113
32	06 Feb 2021	E-waste management	63
33	13 Feb 2021	Industrial hygiene and legal practices	44
34	20 Feb 2021	Green Company Rating for MSME industries	34
35	27 Feb 2020	BLD Technology for Industrial Technology for Cooling	20
36	06 Mar2021	Energy efficiency in industrial sector	34
37	13 Mar 2021	Sustainable Spent Coolant Treatment	19
38	20 Mar 2021	CSR perspective understanding for the fortune of industries in Tamil Nadu (ISO 26000)	24
39	22 May2021	Manage your non-hazardous waste through Cercle X	42
40	29 May2021	Intelligence (AI) enabled Industrial waste management	84
41	05 June2021	Hazardous waste and non-hazardous waste - preprocessing and co processing in cement kiln	92

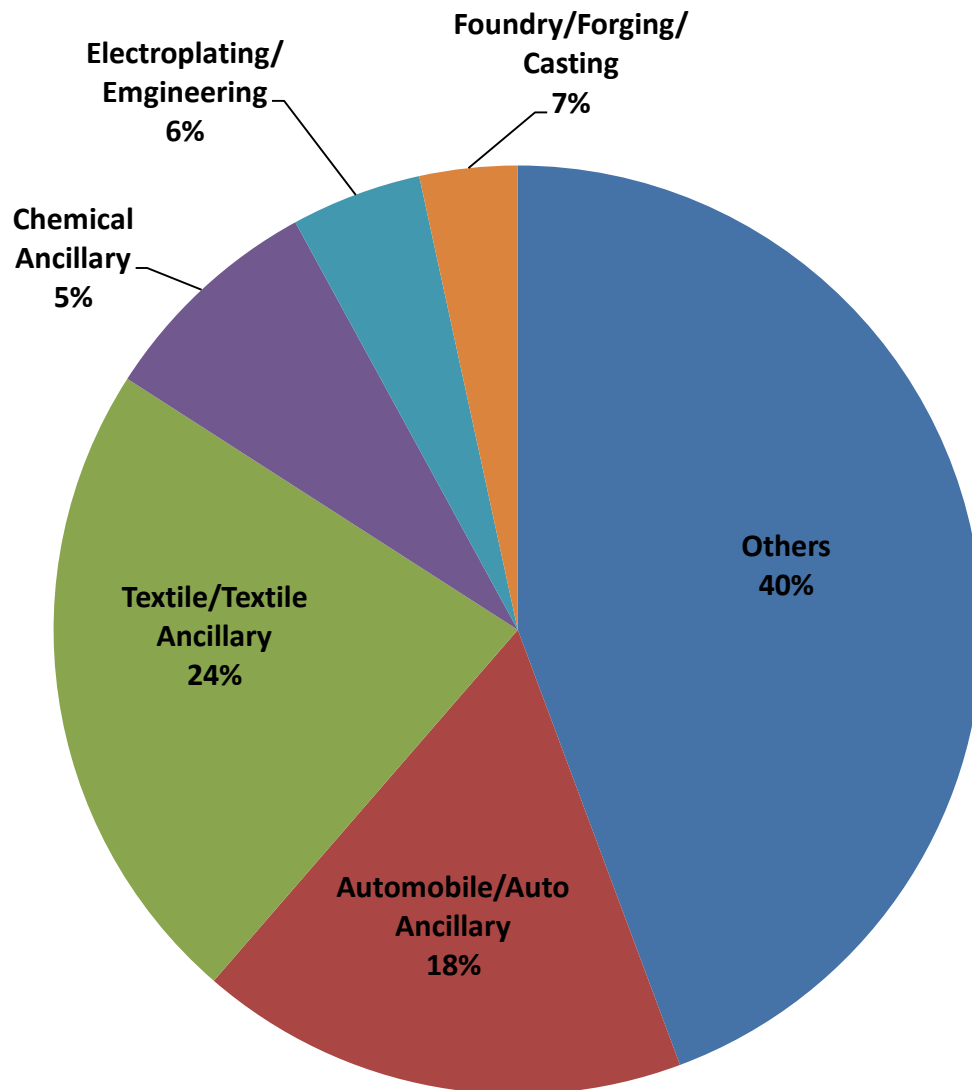
S. No	Date	Webinar	No of participants
42	12 June2021	Emerging trends in Greenery and Greenbelt development around hazardous waste disposal sites	60
43	26 July 2021	Innovative Solar Energy development and Intelligent Evaporators	96
44	03 July 2021	Sustainable Electroplating process water treatment	24
45	10 July 2021	Forestation for pollution abatement and climate resilience	43
46	24 July 2021	Zero Waste Management	42
47	31 July 2021	Zero Waste to Landfill	15
48	07 Aug 2021	Johkasou Technology in Wastewater treatment	12
49	28 Aug 2021	Solid Waste Management	11
50	09 Oct 2021	Plastic Waste Management	81
51	20 Nov 2021	Management of hazardous waste through preprocessing	35



## MEMBERSHIP PROFILE



**INDUSTRIAL MEMBERS CATEGORY WISE AS ON 31<sup>ST</sup> MARCH 2021**



## **COVID-19 RELATED CSR ACTIVITIES**

### **1. Chennai region**

During the second wave of Covid-19 pandemic, to show our solidarity with the Government of Tamil Nadu in its effort to augment treatment for Covid patients, medical equipment worth Rs. 14,00,000 was supplied to Government Hospital in Tambaram, Chengalpattu district, Government Hospital in Perungattur, Tiruvannamala district and Government Hospital in Sriperumbudur, Kanchipuram district on 21<sup>st</sup> May 2021.



**Fig 1:** Donation to Government Hospital in Tambaram



**Fig 2:** Donation to Government Hospital in Sriperumbudhur

## **2. Tirupur region**

- IWMA joined hands with CII Foundation and has donated Rs. 2,00,000 towards the establishment of permanent oxygen generator plant of 350 LPM in Tirupur region.



**Fig 3:** Construction of oxygen generator plant in Tirupur region



**Fig 4:** Donation towards establishment of Oxygen generator plant in Tirupur



### **3. Coimbatore region**

- IWMA has donated 50 cots, beds and pillows worth Rs. 2,84,000 and medicine worth Rs. 50,000 to ESI Hospital in Coimbatore on 25<sup>th</sup> May, 2021.



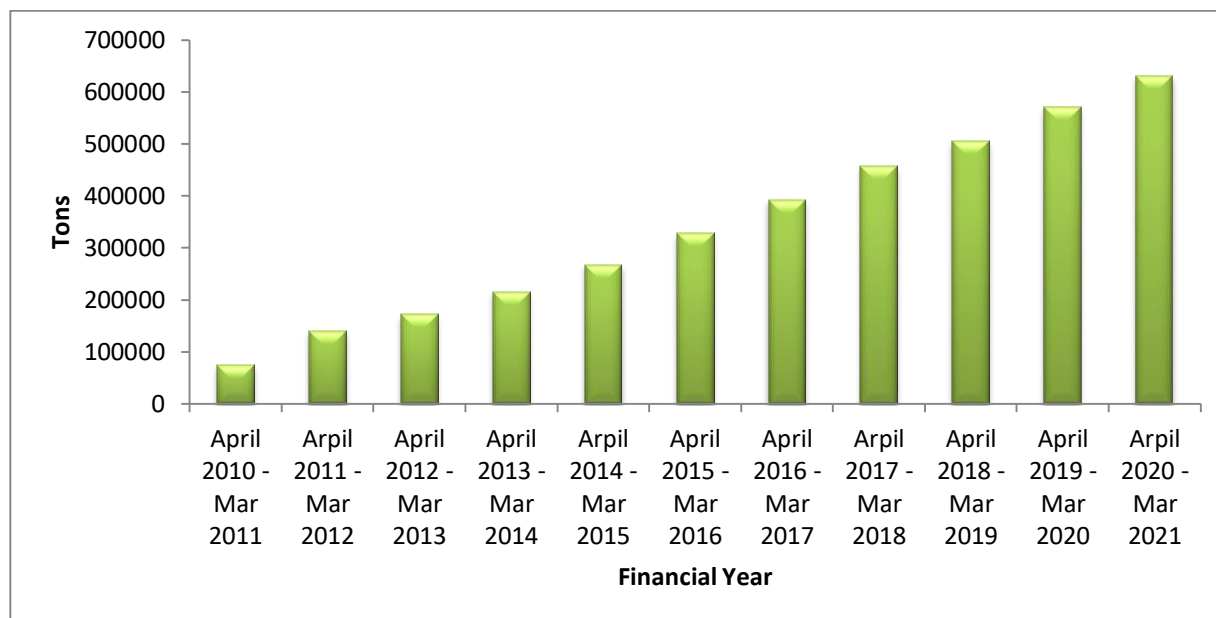
**Fig 5:** Donation to ESI Hospital, Coimbatore

### **4. Erode region**

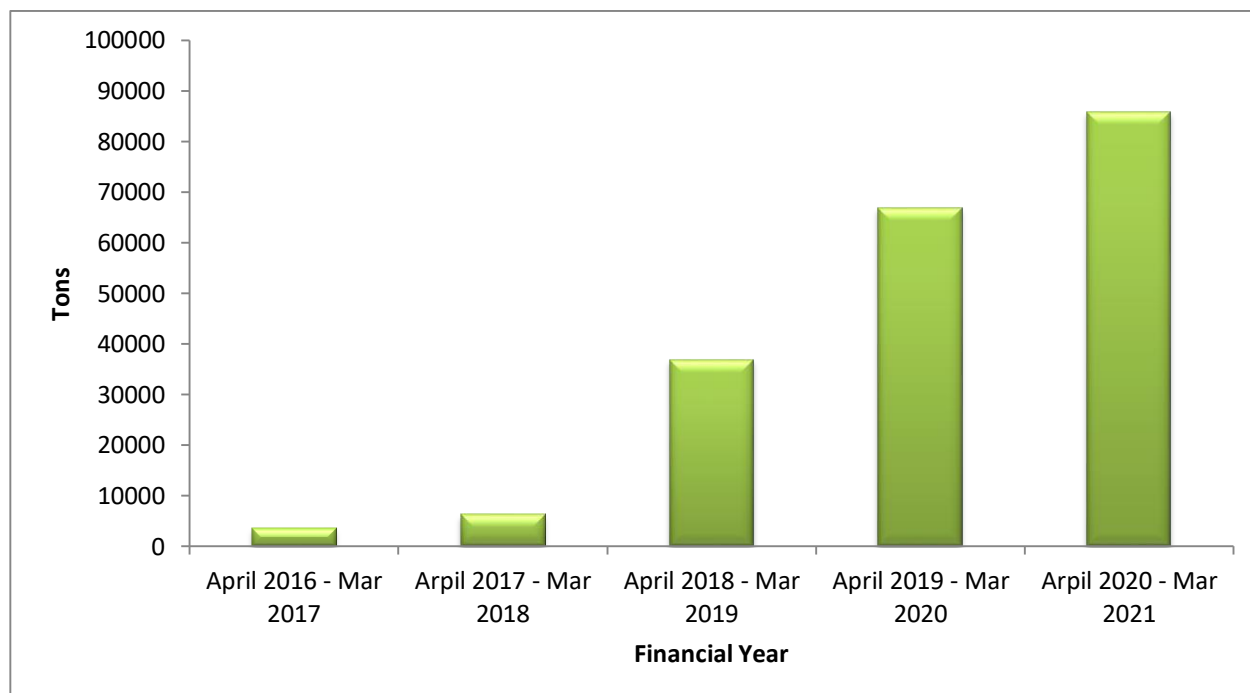
- IWMA has donated 6 oxygen concentrators worth Rs. 9,07,500 through Olirum Erode Foundation to Government Hospital in Erode.

## **CHWTSDF DETAILS**

### **CUMULATIVE REPRESENTATION OF HAZARDOUS WASTE DISPOSAL AT CHWTSDF – GUMMIDIPOONDI**



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



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

<p><b>Common Hazardous Waste Treatment, Storage and Disposal Facility</b></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"> <li>• Total Landfill Disposed quantity: 583521 MT</li> <li>Cell 1 - Completed</li> <li>Cell 2 - Completed</li> <li>Cell 3 - Completed</li> <li>Cell 4 - Completed</li> <li>Cell 5 - Completed</li> <li>Cell 6 - Completed</li> <li>Cell 7 - Completed</li> <li>Cell 8 - Under operation (583521MT - March 2021)</li> <li>Cell 8A – Under Construction</li> <li>• <u>Incinerator</u>  <u>Disposed quantity:</u> 46839 MT – March 2021  <u>Capacity:</u> 100,000 TPA for Landfill            1.0 Tons/Hour for Incinerator  <u>Land Owned by:</u> IWMA  <u>Service Provider:</u> TNWML, Chennai (Group of Ramky Industries)</li> </ul> <p><u>Additional land area: 26 Acres:</u></p> <ul style="list-style-type: none"> <li>• Compound Wall</li> <li>• Greenbelt development</li> <li>• IIT Baseline Study for Water &amp; Soil</li> </ul> <p><u>Facilities:</u></p> <ul style="list-style-type: none"> <li>• Landfill</li> <li>• AFRF</li> <li>• E - Waste Recycling Facility</li> <li>• Paper &amp; Plastic Recycling Facility</li> <li>• Waste oil/used oil Recovery Facility</li> <li>• Spent Solvent Recovery Facility</li> </ul>
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**COMMON HAZARDOUS WASTE TREATMENT, STORAGE AND DISPOSAL  
FACILITY(CHWTSDF) ESTABLISHMENT & OPERATION – VIRUDHUNAGAR**

<p align="center"><b>Common Hazardous Waste Treatment, Storage and Disposal Facility</b></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"> <li>• <u>Total Landfill</u> <u>Disposed quantity:</u> 85892 MT (March 2021) Cell 1 - (1A, 1B, 1C) Cell 1A - Completed Cell 1B - Completed Cell 1C - Under Operation 11631 MT (March 2021) Cell 2A - Under Construction</li> </ul> <p><u>Capacity:</u>240000 TPA for Landfill</p> <p><u>Project Promoter:</u> IWMA &amp; 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"> <li>• AFRF - 10000 TPA</li> <li>• CTO for AFRF Application under progress with TNPCB</li> </ul> <p><u>Environmental Clearance</u></p> <ul style="list-style-type: none"> <li>• Bio - Medical Facilities</li> <li>• Paper &amp; Plastic Recycling Facility</li> <li>• Waste oil/used oil Recovery Facility</li> <li>• Spent Solvent Recovery Facility</li> </ul>
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## **PROJECTS – Industry Interface**

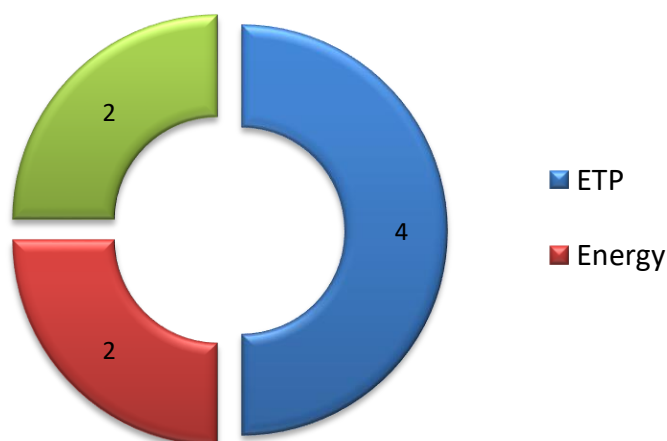
### **1. Foundry Industry:**

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.

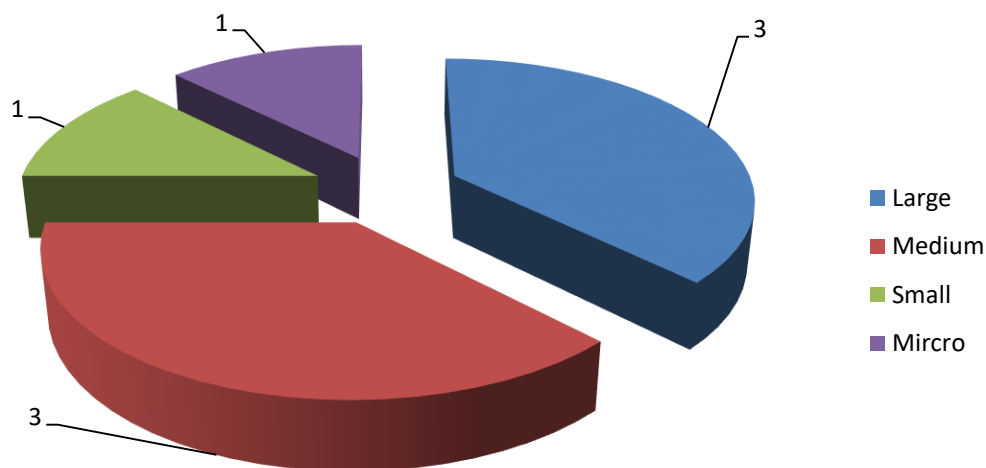
### **2. Industry Interface**

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 whereas 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 partnering 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 June 5, 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 5<sup>th</sup> and 7<sup>th</sup> 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. Teams part 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:

<b>Start-up</b>	<b>Brief description</b>	<b>Achievements</b>
Samudhyoga Waste Chakra, IIT Madras	Developing a community level off grid plastic pyrolysis unit.	<ol style="list-style-type: none"> <li>1. Innovation Excellence Award Winner @CZeroC'18 - incubation funding support of Rs.10 Lakhs.</li> <li>2. Received funding grant from EIL.</li> <li>3. Being incubated at IIT Madras.</li> </ol>
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"> <li>1. Technical Excellence Award Winner @CZeroC'18.</li> <li>2. Pilot in operation@ Mumbai.</li> <li>3. Incubated in IIT-Bombay &amp; RIIDL.</li> <li>4. Funds received from BIRAC &amp; Seed funding from IIT-Bombay.</li> <li>5. Investors have expressed interest in the start-up.</li> </ol>

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.	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.	1. Incubated with IIM-Kashipur. 2. Received funding from EIL. 3. Collaboration with ICLEI. 4. Awarded by the Chief Minister of Uttarakhand, ShriTrivendra Singh Rawat. 5. Surveying & providing water treatment facilities during COVID.
InGo Electric, Bengaluru	Smart sustainable mobility solution: Portable vehicles that is connected and stylish.	Received funding from 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 start-up.
Paper Labs, 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 cavitation.	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"> <li>1. Incubation Grant of Rs. 10 Lakh by AICTE MIC (MHRD Innovation Cell). Currently being incubated at Incubation Centre at Techno India NJR Institute of Technology, Udaipur.</li> <li>2.Rs. 5 Lakhs Rupee Development Grant from EcoGrants (PVRNest and C4Y), June 2019.</li> <li>3. First Runner Up at TISS, Social Venture Challenge- iPrenuer'19, TATA Institute of Social Sciences, December 2019.</li> <li>4. Selected for Launch and Zoom 2.0, Accelerator Program by IIM Udaipur. 12 weeks long learning, mentoring and networking Boot Camp followed by a Demo Day, January 2020.</li> <li>5.Idea was selected as one of the 100 Great Ideas by Indian Express 100 Great Ideas.</li> </ol>
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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 31<sup>st</sup> March 2021, and the Income and Expenditure account, and Receipts and Payments for the year ended 31<sup>st</sup> March 2021 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, 2021, 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.

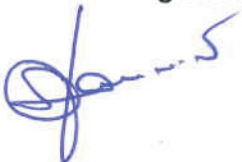
f. In our opinion and to the best of our information and according to the explanations given to us, we report as under with respect to the other matters:-

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 - 21022821AAAAHX4979**



**Place: Chennai**

**Date: 30.11.2021**

### **ANNEXURE TO AUDITOR'S REPORT**

We have examined the annexed Income & Expenditure Account and Receipts and Payment account for the year ending 31.03.2021 and the Statement of Affairs as at the above date of 31.03.2021, 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) 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.
- e) 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.
- f) Except the GST and TDS payable shown in the Balance sheet, no other disputed or undisputed statutory dues are payable.
- g) 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.
- h) No alienation of the immovable properties is made.

**Place : Chennai**

**Date : 30.11.2021**



**For VARADARAJAN & Co.  
CHARTERED ACCOUNTANT**

**H. CHANDRASEKARAN  
PARTNER**

**UDIN - 21022821AAAAHX4979**

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

**STATEMENT OF AFFAIRS AS ON 31.03.2021**

31.03.2020		LIABILITIES		31.03.2021		31.03.2020		ASSETS		31.03.2021		
24,976,819	28,589,688	Infrastructure Fund	28,589,688		30,865,506		46,510,888	Fixed Assets		44,470,889		
3,612,869		Add: Additions during the year	2,275,818			Staff Advance						
28,589,688		Less: Deletions During the Year	30,865,506									
	22,000,042	Surplus o/b.	22,000,042		23,232,815	10,256,937		Fixed Deposit	3,256,937			
19,387,994		Add: Excess of Income over	1,232,773			10,000,000		Add: Additions during the year	4,000,000			
2,612,048						20,256,937		Less: Matured during the year	7,256,937			
	75,000	Current Liabilities			75,000	17,000,000						
		Audit Fee Payable	75,000			3,256,937		Add: Accrued Interest	280,621			
		Accounting Charges Payable	70,000			-		Less: Interest received	7,537,558			
19,761	163,797	Expenses Reimbursement	19,761		52,929					7,537,558		
		Stale Cheques						Accrued Interest on FD				
		TDS PAYABLE										
135,550	1,003,498	Salary and Honarium Payable	134,484		546,170							
		Duties and Taxes	193,996					Rental Advance				
609,390								Less: Rent Advance Received	502,000			
413,472	3,423,409	Sundry Creditors		329,360	1,707,510	702,000		Membership Subscription Bills raised		502,000		
		Membership subscription received				200,000		pending reconciliation				
								Loans and advances				
	95,792,200				107,752,200							
	151,222,308	Tamil Nadu Waste management			-			Payment to Sipcot for Additional Land		38,040,200		
								Sipcot				
								SIPCOT-Gumudiipoondi				11,960,000
												11,964,000
												45,521,100
										</		

For Varadarajan & Co.  
Chartered Accountants

For Industrial Waste Management Association

sd/-  
H. Chandrasekaran  
Partner  
UDIN-21022821AAAAHX4979  
Date: 30.11.2021  
Place: Chennai

sd/-  
Chairman

sd/-  
Secretary

sd/-  
Treasurer



**INDUSTRIAL WASTE MANAGEMENT ASSOCIATION**

409 Ten Square Mall 3rd Floor

64 Jawaharlal Nehru Salai, Koyambedu - 600107

**INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31.03.2021**

31.03.2020	EXPENDITURE	31.03.2021	31.03.2020	INCOME	31.03.2021
987,340	<b>AGM Expenses</b>				
-					
494,402	<b>Enviro Program Expenses</b>		12,603,688	Subscription Collection	6,853,774
-	<b>HWTSDF Expenses</b>				
8,920	Audit Expenses - HWTSDF	10,000			
1,944	Food Expenses - HWTSDF			Reimbursement Sipcot Maintenance	481,160
1,240	HWTSDF Hotel Expenses	135,620		Reimbursement Sipcot Water charges	517,025
20,391	TRAVEL EXPENSES - HWTSDF	511,500			
	HWTSDF Water Bill	3,741	130,921	Training Fees	
	HWTSDF Sipcot Interest charges	240,580			
	HWTSDF Maintenance Charges		179,000	Registration Fees	41,000
-			528,566	Seminar Fees	1,750
-	<b>Project Expense</b>				
-	To Project Consultant Wapcos				
45,600	Adequacy Audit - PROJECT		21	Discount Received	
2,729	Boarding & Hotel Expenses - Project		88,460	FD Interest KMB	256,002
3,742	Food Expenses - Projects	3,162	-	SB Interest	25,226
11,970	Printing & Stationery - Project		1,010,515	Interest on FD	47,372
-	To Textail Residual Salts - Project		100,000	Sponsorship Income	
-	To Project Consultant Saritime		45,000	Training Hall Rental Income	
160,050	Project - Consultancy Charges	143,300			
220,000	Project Sponsorship Expenses	49,820			
66,358	TRAVEL EXPENSES - PROJECT	120,950	-		
	Project Expense kamaraj university				
-	<b>RVM Expenses</b>			By Training Honarium Receipts	37
-	Electricity Charges - RVM	7,004	-	Round off	
284,057	RVM Campaign Expenses	40,950			
20,000	Short Film - RVM				
-					
358,374	<b>Seminar Expenses</b>				

-	<b>Training Expenses</b>				
45,644					
-	<b>YES Program Expenses</b>				
979,786					
-	<b>EC Meeting Expenses</b>				
296,345	EC Conveyance Expenses				
500	EC Meeting Housekeeping Expenses	300			
9,134	EC Meeting Travel Expenses				
4,055	EC Travel Expenses				
28,192	Food & Snacks Expenses - EC Meeting	1,356			
-	<b>Office Admin Expenses</b>				
-	Office Items				
13,082	Printing and Stationery	67,532			
169,311	Tea and Coffee Food for Expenses	74,707			
79,919	To Advertisement Expenses	11,319			
-	Accounting Charges	70,000			
	Association renewal expenses	12,400			
18,500	AMC - Computers & Laptops	23,500			
17,500	AMC - Fire Alarm	17,500			
4,307	AMC - Water Dispenser Machine	2,903			
5,125	Ayudha Pooja Expenses	10,613			
73,388	Bank Charges	10,969			
4,770	Boarding & Hotel Expenses - Admin				
-	To Common Area Maintenance Ten Square Mall Expenses				
-	Civil Work - Office	166,744			
119,938	Common Area Maintenance				
232,922	Computer & Peripherals				
36,093	Consultancy Charges				
48,400	Contractual Services				
25,250	Conveyance Expenses				
1,850	Electricity Charges	132,413			
301,360	GST Late Fee / Interest	250			
48,713	House Keeping Expenses Office	18,000			
450	Office Maintenance	69,390			
-					

-				-	
Newspaper		2,132		-	
Miscellaneous Expenses - Admin	7,580			-	
Mobile Phone Expenses	31,521			-	
Postage and Telegram	411,419	60,488		-	
Property Tax	196,637	286,838		-	
To Repairs and Maintenance	-			-	
Seminar Fee - Admin	2,360			-	
Software Maintenance Expenses	86,478	224,984		-	
Software subscription		176,826		-	
Staff Recruitment	43,200	31,870		-	
Staff Welfare	8,918	16,220		-	
Statutory Audit - Admin	75,000	75,000		-	
Subscription Charges - Expenses	20,000	20,000		-	
Telephone Expenses	-			-	
Travel - CIL	18,400	37,287		-	
Training Expenses	60,105	40,500		-	
Travelling Expenses - Admin		44,916		-	
Water Expenses	78,183			-	
Salary and Honarium	4,725			-	
Advocate Charges - ERD Land	2,400,934	1,705,054		-	
AGM Meeting Expenses	10,000			-	
CM FUND	50,000			-	
FD Premature Closure (Loss)	500,000			-	
Registrar of Societies	22,606			-	
Sponsorship	16,485	150,000		-	
Income Tax- Opening TDS	135,000			-	
To Depreciation	232,784	2,161,935		-	
	2,404,726			-	
<b>To Excess of Income over Expenditure</b>	<b>2,612,048</b>	<b>1,232,773</b>		-	
	<b>14,686,171</b>	<b>8,223,346</b>		<b>14,686,171</b>	
					<b>8,223,346</b>

For Varadarajan & Co.  
Chartered Accountants

For Industrial Waste Management Association

sd/-

H. Chandrasekaran  
Partner

UDIN 21022821AAAAHX4979

Date : 30.11.2021

Place: Chennai

sd/-  
Chairman

sd/-  
Secretary

sd/-  
Treasurer

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

**RECEIPTS AND PAYMENTS ACCOUNT FOR THE YEAR ENDED 31.03.2021**

31.03.2020	RECEIPTS	31.03.2021	31.03.2020	PAYMENTS	31.3.2021
-	Opening balance		54,240	Adequacy Audit - PROJECT	
5,960	- Cash at Indian bank	12,963	-	Association Renewal Expenses	12,400
1,824,942	- Cash in Hand	1,275,690	10,000	Advocate Charges - ERD Land	
8,839	- Cash at Bank (SBI - Admin)	8,839	50,000	AGM Meeting Expenses	27,730
21,768	- Kotak Mahindra Bank	615,238	21,830	AMC - Computers & Laptops	20,650
-			20,650	AMC - Fire Alarm	3,540
51,202,599	Training Hall Rental Income	11,960,000	4,307	AMC - Water Dispenser Machine	10,000
-	Tamilnadu Waste Management Limited		13,356	Audit Expenses - HWTSDf	
-	Promotion		-	Advertisement Expenses	
-	Technical Service Fees		5,125	Ayudha Pooja Expenses	10,613
-	Bank Interest - Kotak Mahindra Bank		73,388	Bank Charges	10,969
53,420	Income Tax Refund		999	Boarding & Hotel Expenses - Admin	
-	Training Honorium Receipts		42,452	Boarding & Hotel Expenses - AGM / SEMINAR	
-	Sale of Old Newspaper		7,786	Boarding & Hotel Expenses - Project	
-			68,344	Boarding & Hotel Expenses - YES	
16,977,394	Fixed Deposits		22,592	Boarding Expenses - Seminar	
-			-	Fixed deposit	4,000,000
200,000	Old Office Rental Advance received		195,000	CNMSSB	
-			133,318	Cash Prize - YES	
116,000	Sponsorship Income		500,000	Civil Work - Office	
14,160	Subscription Income		CM FUND		
88,460	FD Interest KMB		248,280	Common Area Maintenance	216,738
-			255,388	Complement / Gift Expenses - AGM / Seminar	
-				CII India	
904,382	Interest on FD		181,471	CSR Donation	-
-			36,120	Complementary Expenses - Enviro	
433,453	Seminar fee		42,589	Complementary Expenses - Seminar	
100,117	Training fee		9,750	Computer & Peripherals	
44,250	Training Hall Rental Income		48,400	Computer UPS	
-			1,850	Consultancy Charges	
-			10,000,000	Conveyance Expenses	
-			296,345	Deposits	
17,976,487	Total Subscription collection (Admin and Infra incl GS	12,807,469	-	EC Conveyance Expenses	1,356
-			500	EC Meeting Food Expenses	300
-	Advance Receipts	18,585	9,134	EC Meeting Housekeeping Expenses	
168,130	Registration Fee		-	EC Meeting Travel Expenses	
-	Seminar fee		4,055	EC Meeting Hotel Expenses	
2,016,794	Unidentified Subscription		288,858	EC Travel Expenses	132,413
-			-	Electricity Charges	
-			5,413	Electricity Charges - RYM	
-			67,000	Advances to the IWMA Staff for Expenses	7,004
-			16,908	Enviro Expenses	
-			13,000	Enviro Honorium	
-			25,000	Enviro Program Certificates	
-			-	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	
-			14,968,800	Erode land Purchase	
-			152,422	Event Decoration - AGM / Seminar	
-			-		
-			540	Food & Snacks- AGM / Seminar	
-			28,192	Food & Snacks Expenses - EC Meeting	
-			180,589	Food & Snacks Expenses - Enviro	
-			12,644	Food & Snacks Expenses - Training	
-			-	Food and Meeting Expenses - Admin	
-			7,070	Food and Meeting Expenses - Seminar	
-			1,944	Food Expenses - HWTSDf	

[illegible]





**INDUSTRIAL WASTE MANAGEMENT ASSOCIATION**

**DEPRECIATION SCHEDULE AS PER INCOME TAX ACT**

PARTICULARS	AS ON 01.04.2020	ADDITIONS >180DAYS	ADDITIONS <180DAYS	DELETIONS	TOTAL	%	DEPN	AS ON 31.03.2021
Training Instruments	20,011				20,011	15%	3,002	17,009
Erode Land Purchase	16,783,200				16,783,200	0%	-	16,783,200
Koyambedu office building	19,050,542				19,050,542	10%	1,905,054	17,145,488
Koyambedu office Land	9,061,892				9,061,892	0%	-	9,061,892
Airconditioner	317,120				317,120	10%	31,712	285,408
Camera	4,678				4,678	15%	702	3,976
Computer	24,809				24,809	40%	9,924	14,886
CCTV Camera	10,771				10,771	40%	4,308	6,462
Cordless Phone	912				912	15%	137	776
UPS	4,958				4,958	40%	1,983	2,975
Fire extinguisher	74,834				74,834	15%	11,225	63,609
Furniture & Fittings	310,699	8,375			319,074	10%	31,907	287,166
Electrical fittings	424,468				424,468	15%	63,670	360,798
Inverter	21,580				21,580	15%	3,237	18,343
Laptop	2,377		113,560		115,937	40%	23,663	92,274
Name Board	3,578				3,578	15%	537	3,041
Printer	6,320				6,320	15%	948	5,372
Reverse Vending Machine	137,594				137,594	15%	20,639	116,955
Water Dispenser	2,607				2,607	15%	391	2,216
Projector	99,885				99,885	15%	14,983	84,902
Xerox Machine	10,302				10,302	15%	1,545	8,756
Safety Locker	21,332				21,332	15%	3,200	18,132
EBAX	65,934				65,934	15%	9,890	56,044
Software	46,820				46,820	40%	18,728	28,092
Mobile	3,665				3,665	15%	550	3,115
<b>TOTAL</b>	<b>46,510,888</b>	<b>8,375</b>	<b>113,560</b>	<b>-</b>	<b>46,632,823</b>		<b>2,161,935</b>	<b>44,470,889</b>

# INDUSTRIAL WASTE MANAGEMENT ASSOCIATION





## INDUSTRIAL WASTE MANAGEMENT ASSOCIATION

Shop No. 409, 3rd Floor, Ten Square Mall,  
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Ph: 044-45522655 / 24798069  
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Recycling



Rainwater harvesting



Waste Management



Water Conservation



Climate Change



Renewable Energy



Global Warming



Waste Reduction