

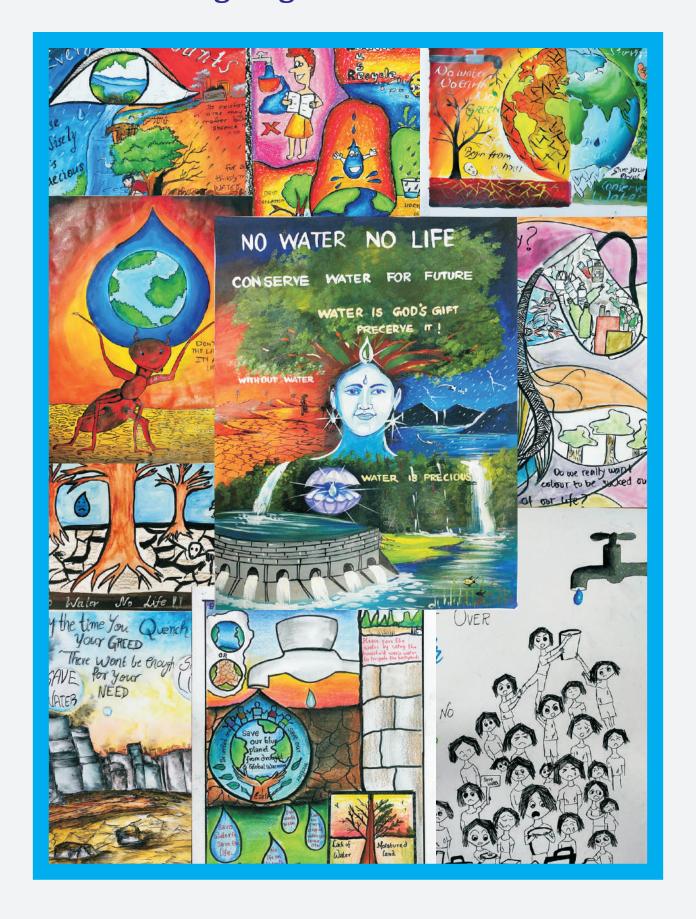
INDUSTRIAL WASTE MANAGEMENT ASSOCIATION

IWMA OWN NEW OFFICE



16th Annual General Meeting Annual Report 2017 - 2018

Poster Designing Winners - ENVIRO 2017





S.NO	TABLE OF CONTENTS	PAGE NO
1	Chairman's Message	2
2	Secretary's Message	3
3	Secretary's Report	4
4	Executive Committee	5
5	CHWTSDF details	9
6	About IWMA	11
7	IWMA activities	14
8	Membership Profile	17
9	IWMA Projects	20
10	Auditor's Report	31



Chairman's Message



Dear Members,

I am very happy to be with you on this glorious occasion when our organisation, IWMA, is conducting its 16th Annual General Body Meeting.

The world celebrated "World Environment Day" on 5th June, 2018 with the theme "BEAT PLASTIC POLLUTION" it's worth remembering that synthetic microfiber pollution is washing up in our oceans at alarming rates. Around 100,000 marine animals are killed each year by plastic waste, including microfibers. The gift of nature is at a very big stake on the usage of plastics in a haphazardous manner.

Like other states, The Government of Tamil Nadu is coming out with a ban on plastics from 01st January 2019. Almost, we have been living with plastics for more than 3 decades with a bad notion that Modern life would be impossible without plastic.

While whole heartedly welcoming the ban, I would like to share my thought on how our industries will accustom themselves to this pardigm change. It would be very big challenge for the industries to overcome the challenge. We cannot continue to act and behave as if business as usual

Although recycling is the best alternative in front of us, the increasing plastic recycling rates is a matter of concern. Without bold new ideas and management strategies, current recycling rates will no longer be met, and ambitious goals and timelines for future recycling growth will be insurmountable." I am confident that the industries will rise up to these challenges and move forward with a new vibration and energy.

IWMA, as an organization caring environment has long miles to march further towards its portfolio of Industrial Waste Management and Environment Protection. I thank the entire IWMA team for being enthusiastically travelling in the right direction.

Best wishes to all members

io Robos

Mr. K. Baskaran, Chairman, IWMA.

Industrial Waste Management Association (IWMA), Chennai



Secretary's Message



Dear Members,

I am very happy to connect with you on this excellent occasion and presenting this report for the year 2017-18. I thank you all for giving me this opportunity. I have enormous pleasure to announce that our organization's members strength is 2674. This is evident because of our continuous and dedicated service to the industries in the field of Hazardous Waste Management.

SIPCOT has alloted 26 acres of additional land at the CHWTSDF at Gummidipoondi. This will help the industries to dispace their wastes continuosly.

OWN NEW OFFICE

You all will be happy to find that our Association has crossed a new land mark by having its own land space and office. We are one among the very few Industrial Organisations who have own offices. The new office is close to one of the important land marks of the city. We have a total of 2500 Sq Ft space accommodating a well advanced Training Centre. Office area is comfortable with Board Room, Office Bearers Room and sufficient space is provided for the Secretariat. The 35 seated Training is a mixture of aestheticism and technology. Its elegance and serene environment are much comfortable for Training Programmes.

New Office inauguration was conducted on 27th March 2018. Mr. K.Srinivasan, I.A.S., Managing Director, SIPCOT, inaugurated the new office and the Training Centre.

SERVICES OF IWMA

- ◆ Technical clarifications to industries on disposal of Hazardous waste
- Providing updates on change in Environment regulations to members (through website and training programs)
- ◆ Guidance for submission of Consent order application to TNPCB
- ♦ Signed MOU with SSM polytechnic, Erode, to conduct ETP Operators and Technicians Courses.
- ♦ Working with Sathya Bama University and other institutions to establish Training Courses.
- ◆ Discussions are taking place with NCGJ (Regional Partner of National Skill Development Council) for conducting Skill Development Programmes and also working for signing MOU for a long term partnership.

Best wishes to all members

Some

Mr. N. Palanisamy, Secretary, IWMA.



Secretary's Report

Dear Members,

ACCREDITATION

Our association has obtained Accreditation of Business Membership Organization (Industry Association) by the National Accreditation Board for Education and Training (NABET), Quality Council of India (QCI) in SILVER GRADE. This is an Accreditation standard like ISO systems. We plan to work for an upgradation soon.

SIPCOT & IWMA PROJECTS CHWTSDF

SIPCOT has identified IWMA as a nodal agency to implement TSDF at various industrial estates.

SIPCOT has identified Thoothukudi and Bargur locations to establish TSDF with comprehensive and innovative designs that fit within regulatory framework.

1. Bargur

EIA report have been revised. The proposed project would proactively promote the public interest through provision of basic amenities such as roads, transportation, electricity, education, sanitation and healthcare facilities. This would also encourage community growth, development and improved socioeconomic conditions and quality of life of the people living in the project area.

2. Thoothukudi Project

Engaged suitable consultant for conducting EIA and public hearing has been given by MoEF. Further, monitoring data has been done for EIA report and once the report is submitted to the ministry, EC will be obtained.

3. Gummidipoondi - Additional Land Requirement

The 6^{th} Cell is approaching the final stage of landfilling and approval for 7^{th} and 8^{th} cell is under process. SIPCOT has allotted 26 acres to IWMA and proposal for Landfill and ARAF facility by the service provider is in progress. In the meantime, IWMA requested the balance land of 13 acres to SIPCOT.

TNPCB

Co-ordination with TNPCB has been strengthened and I am glad to inform you that IWMA is part of the Consultative Committee for Online Monitoring of Hazardous Waste from the industries.



EXECUTIVE COMMITTEE FOR THE YEAR 2017-18 WITH PHOTOGRAPHS

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



EXECUTIVE COMMITTEE MEMBERS FOR THE YEAR-2017-2018

Mr. S. Balan

Senior Manager – Utilities & Services Hyundai Motor India Limited

Mrs. S. Chellammal

Manager EHS MTL Instruments Pvt. Ltd.

Mr. George. N.C

AGM - Environment Strides Shasun Ltd.

Mr. P. A. Madheswaran,

Senior Executive, VST Tillers Tractors Ltd











Mr. Mohan Kottaisamy, Environmental Officer C P Aqua Culture India Pvt Ltd	
Mr. R. Muruganantham	99
Proprietor SRI MURUGANANTHAM TEX	
Mr. K. Natarajan	
Proprietor	457.50
Divya Engineering Works	
Mr. P. E. Purushothaman	0.0
Director	
SSM Processing Mills Limited	



Mr. C. S. Rajan

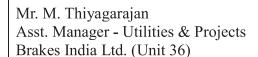
Vice President

Iljin Automotive Private Limited

Mr. B. Saravanan

Deputy General Manager-Facilities,

Super Auto Forge Pvt Ltd.







Auditor : Mr. H. Chandrasekaran, Varadarajan & Co.

Secretariat:

General Manager-Operations : Mr. R. Venkatasubramanian

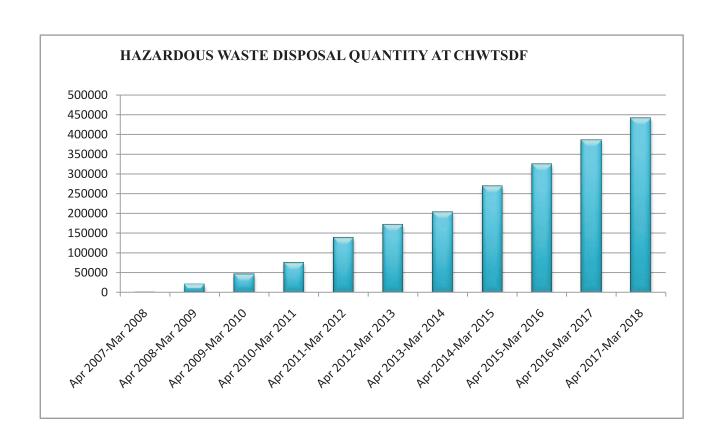
Advisor - Projects : Mr. K. Sivaraman
Assistant Manager - Technical & Training : Mr. M. Vignesh Raj
Assistant Manager - Projects : Mr. B. Hari Prakash

Executive - Administration & External Affairs : Ms. K. Lalitha
Executive - Program & Training : Ms. R. Mridula

Co-ordinator CZC : Ms. Sanjelyn Joyson

Accounts Officer : Mr. V. Gopalan

HAZARDOUS WASTE DISPOSAL QUANTITY – GUMMIDIPOONDI CHWTSDF



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

Location:

SIPCOT, Gummidipoondi Thiruvallur District, Tamil Nadu

<u>Land Area:</u> ∼ 27 Acres

Facilities:

→ Landfill

Disposed quantity: ~4.52 Lakh MT

Cell 1 Completed

Cell 2 Completed

Cell 3 Completed

Cell 4 Completed

Cell 5 Completed

Cell 6 in Progress – Final stage (1,22,476 MT)

Cell 7 & 8 –Waiting for the approval from TNPCB

→ Incinerator

Disposed quantity: ~27,568 MT

→ Capacity:

100,000 TPA for Landfill

1.5 Tons/Hour for Incinerator

- → Project Promoter: IWMA
- * Service Provider:

TNWML Chennai (Group of Ramky Industries)

Additional land area: 26 Acres

Facilities:

- + Landfill 17 Acres
- → AFRF 9 Acres

Common Hazardous Waste

Treatment, Storage and

Disposal Facility



Seminars

SNO	Date	Program	Venue	Number Of Participants
1	4 th August 2017	Regulatory Compliance Handling In Industries Towards Pollution Control	Hotel Fortune, Singaperumal Kovil	130
2	September 16 th	Advances in Environmental Management	Green Park Hotel, Vadapalani	124
3	October 12 th & 13 th	TNPCB Training Program on Hazardous Waste Management	Le Palace, Porur	25
4	February 16 th & 17 th	Sustainable Waste Water Treatment &ZLD	Hotel Club Melange, Erode	251

TRAINING

IWMA, as an awareness initiative, conducts training programs to its member industries in order 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.



Sno	Date	Торіс	No of Participants
1	15 th May 2017	Environmental Awareness	07
2	24th & 25th May 2017	Hazardous Waste Management Awareness	32
3	2 nd June 2017	Legal Issues	13
4	23 rd June 2017	Operation & Management of ETP & STP	23
5	3 rd July 2017	Operation & Management of ETP & STP	15
6	August 30th	Industrial Hygiene & Occupational Health	13
7	September 8 th	Energy Management & Conservation (PCRA)	25
8	October 11th	Operation & Management of ETP & STP	21
9	November 11 th	Role of EMS in Managing the Environmental Pillar of Sustainable Governance	16
10	December 8 th	Recycling of wash water from electroplating & allied industries	21
11	December 21 st	Energy Conservation in Boilers	10
12	January 3 rd & 4 th	EMS Workshop	14



13	January 29 th & 30 th	Role of ISO 14001:2015-Environmental Pillar of Sustainable Governance	20
14	February 24 th	EMS ISO 14001	15
15	March 20 th	Zero Liquid discharge(ZLD)	29
16	March 27 th	Zero Effect, Zero Defect(ZED)	10

Onsite Training Program

IWMA conducts onsite training programs in the premises of the industry upon willingness of the industry. Training Faculty along with IWMA Training Staff conducts the Training Program and receives the feedback from the participants for the betterment of the foreseen training programme. The topic of the Training Program is related to Energy Conservation and EMS, participants were given Certificates at the end of the Training Program.

Two day Training Program for TNPCB Officials was conducted at Hotel Le Palace, Porur on October 12th & 13th 2017. First day comprised of Theory class and participants were taken to landfill site at Gummidipoondi. Second day participants visited various industries around Ranipet.



CSRACTIVITIES

ENVIRO 2017

Every year IWMA in collaboration with Science Olympiad Foundation (SOF) conducts ENVIRO-a two day environmental awareness program for school children. Competitive events like Story Writing, Quiz &Banner/Poster Designing were held to promote the importance of environment among school children. Hon'ble Thiru. Justice.Dr. T.N Vallinayagam, Judge, Lok Adalat, High Court of Madras was invited as the Chief Guest for the event.

This year, ENVIRO 2017 was conducted at IIT Madras on 22nd & 23rd July 2017. Around 120 schools & over 400 students in and around Chennai participated in the following topics related to the environment.

Story Writing - Junior
Quiz - Middle
Banner/ Poster Designing - Senior

A Science Awareness Workshop for the YES 2018 (Young Environmental Scientist) program was also conducted. Dr.T.S.Natarajan, IIT-Tirupathi demonstrated interesting science experiments during the workshop.







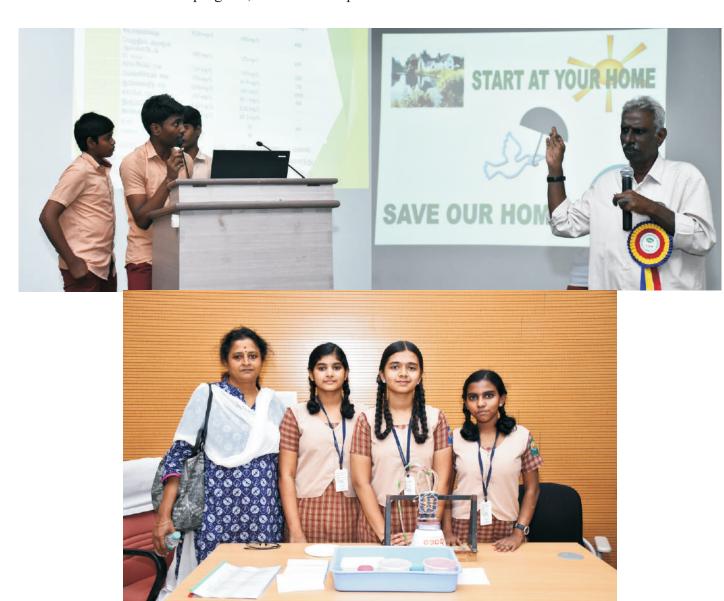




YOUNG ENVIRONMENTAL SCIENTISTS AWARDS - YES 2018

IWMA conducts an inter-school (Classes 8 to 12) 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. Prof. Natarajan of IIT (T) & Prof.CV.Krishnamurthy, Department of Physics 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-2018 was conducted on 21st January 2018 at IC & SR Conference Hall, IIT Madras. Over 16 projects were presented. Professor Krishnamurthy, Department of Physics, IIT-M, Thiru Thirugnanam from IWMA & 2 other Professors from IIT-M evaluated the projects. Mr.Indra Kumar, Exnora: A Zero Waste Model was the Chief Guest for the program, distributed the prizes to the winners.





E-CAP

E- CAP is E-Waste Awarneness & Collection Program. This program will be launched during ENVIRO Program. Schools will register for the program & they will ask students to collect E-Waste from their localty. Schools will have a common bin for the collection of such wastes. The school which collects more E-Waste will be awarded with cash prize and Best Co-Ordinator award will be given.

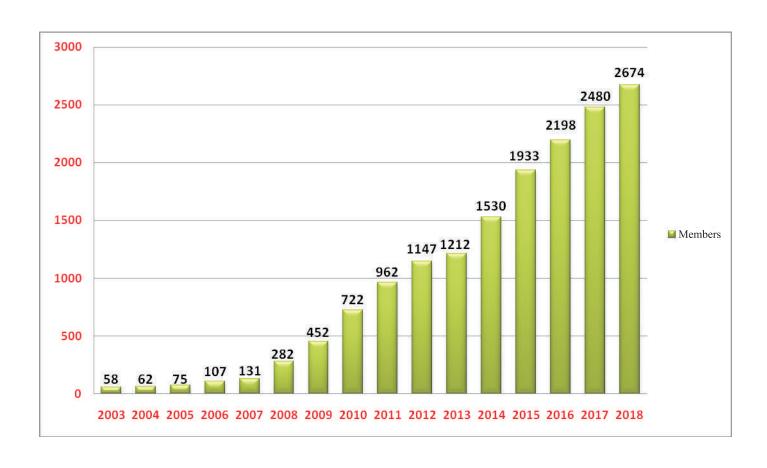




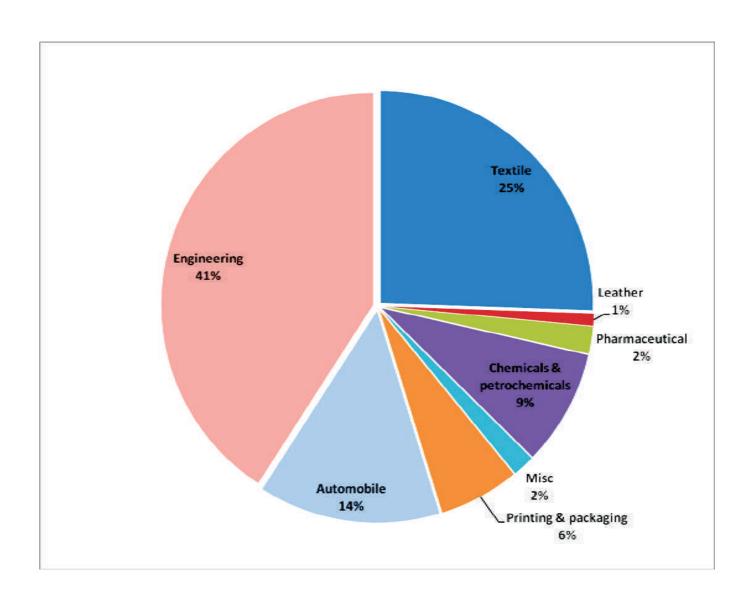




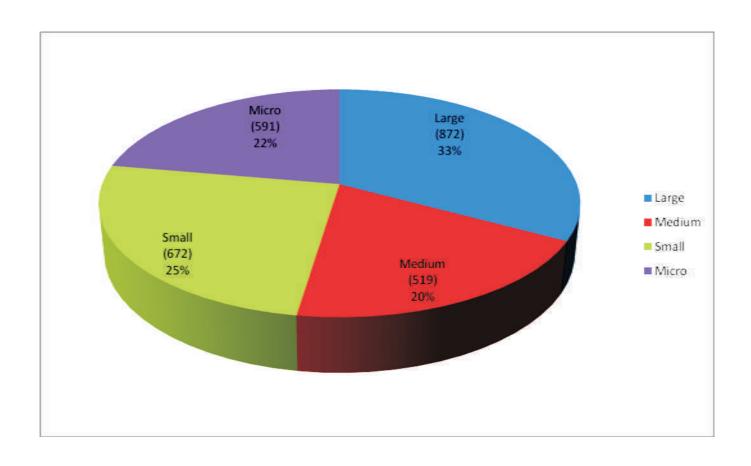
MEMBERSHIP GROWTH



INDUSTRIAL MEMBERS - CATEGORY WISE (As on March 2018)



INDUSTRIAL MEMBERS - SECTOR WISE (As on March, 2018)



PROJECTS – Industry Interface

1. Re-use of rinse from electroplating – Prototype:

IWMA along with IIT Madras has been involved in developing a cost effective solution for re-use of rinse water generated from electroplating industries. Prototype was designed by one of the shortlisted teams of Carbon Zero Challenge. Funding of Rs. 5 Lakhs was provided to the team. Prototype was made and demonstrated to senior representatives from electroplating industry cluster of IWMA. Feedback was provided by industry to take this project forward. IWMA will be happy to explore opportunities for further funding if electroplating industry can at least partially fund the next phase of development.



Feedback from Industry cluster on prototype

2. Unlocking the Circular Potential of the Foundry Industry:

With initiative taken by a leading foundry industry member through IWMA, IIT Madras has made application to IMPRINT 2 (www.imprint-2.in), a technology development initiative of Ministry of Human Resource and Development (MHRD) and Department of Science and Technology (DST). The objective of the proposal is to identify a solution for the sand generated from foundry sector. We are happy to inform you that the application has been successfully shortlisted at the first level of screening. Final selection results are awaited. This scheme entails a funding of approximately Rs 2 Crores out of which 10 % will be contributed by the industry.

IWMA is happy to take up many such initiatives to facilitate their industry members in the coming years.



3. Graphite from forging Industry

Graphite is one of the important by-products from the forging industry. IWMA along with IIT Madras has taken various noteworthy efforts in re-using the graphite powder with the support of a leading forging industry member of IWMA. Various options like dye adsorption in textile industry, intense laser matter interaction studies for different applications, synthesis of graphene and treatment of pharmaceutical wastewater has been identified. Further study is in progress.

4. Marine disposal of unusable textile residual salt:

IWMA member industries from textile sector requested IWMA to find out a feasible solution for marine disposal of salts generated from effluent treatment plants of IETPs and CETPs. IWMA approached IIT Madras for taking up feasibility study on Marine Disposal of Salts Generated from Effluent Treatment Plants of Textile Dyeing Units. After completion of the study in Nov 2015, IWMA organized meeting with Chairman, Member Secretary and senior officials of TNPCB in Feb 2016 on the subject along with IIT Madras. Further at the behest of TNPCB, IWMA approached National Institute of Ocean Technology (NIOT) for further studies. NIOT suggested that WAPCOS (Govt of India Undertaking, Ministry of Water Resources, River Development and Ganga Rejuvenation) take up the study.

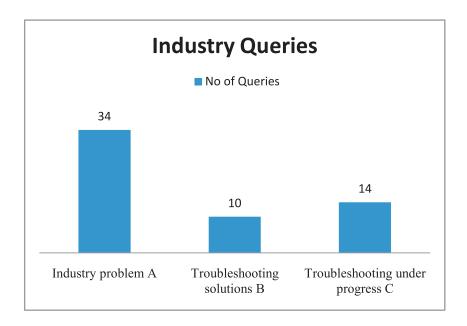
Draft pre-feasibility report has been prepared by WAPCOS and is being reviewed for final report submission. After completion, IWMA proposes to work along with WAPCOS in the preparation of EIA report and for obtaining Environment/ CRZ Clearance subject to getting Government grants.

IWMA has invested around Rs 10 lakhs on this initiative as part of its ongoing efforts to serve textile industry.

5. Industry interface problem statement

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

A brief summary of progress made by IWMA is captured below



- Industry Problem A Industry problems addressed through phone and emails to the satisfaction of IWMA members
- Troubleshooting solutions B Troubleshooting through multiple visits to industry by IWMA along with in-house environment consultant. Completed to the satisfaction of industry and good feedback reports received.
- Troubleshooting under progress C Troubleshooting through multiple visits to industry by IWMA along with in-house environment Consultant. Work under progress



Examples of trouble-shooting solutions B

- a. An auto ancillary manufacturer located at Ambathur approached IWMA for guidance on improvement efficiency of the effluent treatment. IWMA provided technical guidance and an improved treatment scheme.
- b. An electroplating industry located at Thirumudivakkam approached IWMA for efficient management of sludge and for improvement the waste water treatment. After multiple visits to industry, IWMA provided guidance on reduction of sludge generation and obtained good feedback from industry.
- c. A MIG wire manufacturer located at Chengalpatu approached IWMA to solve their concern on high sludge generation in their ETP. After considering different options, IWMA provided a feasibility proposal on water conservation and improved methods for effluent treatment. Industry provided good feedback and thanked IWMA on the support
- d. An auto ancillary manufacturer located at Chengalpatu approached IWMA to treat their oil mixed waste water. IWMA suggested a better treatment scheme and obtained good feedback from industry.
- e. An electroplating industry located at Thirumazhisai has requested IWMA to provide scheme of treatment for effluent generated after studying the process. After complete study, a plan of treatment scheme was provided to the industry.
- f. A pump manufacturer located at Old Mahabalipuram Road (OMR) requested IWMA provide regulatory requirements applicable to their industry after visiting their site. IWMA obtained good feedback based on the detailed environment compliance report submitted to the industry.
- g. An auto-ancillary manufacturer located at Irungattukotai requested IWMA to provide regulatory requirements applicable to their industry after visiting their site. IWMA obtained good feedback based on the detailed environment compliance report submitted to the Industry.
- h. An electrical circuit manufacturing industry located at Old Mahabalipuram Road (OMR) requested IWMA for guidance on food waste and other solid waste management. By providing appropriate solution, IWMA obtained good feedback from the industry.

Examples of trouble-shooting under progress C

- i. An auto ancillary manufacturer located at Manavala Nagar has requested IWMA to find opportunity to utilize their byproduct as a resource to any other industry. Adequate efforts are being taken by IWMA to identify prospective industry to reuse the by product.
- j. An exhaust fan manufacturer located at Madhavaram has requested IWMA for the guidance in their waste water treatment. After multiple discussions and site visit, work is actively in progress to provide an appropriate solution.

IWMA is committed to solving many such industry environment problems in the coming years.



Carbon Zero Challenge – A pioneering initiative on energy and environment

Carbon Zero Challenge (CZeroC) is a Green Business Idea Competition pioneered by IIT Madras.

CZeroC 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. The grand challenge posed to the competing teams was to develop a grid free /alternative system which is economically viable, socially acceptable, environment friendly and easily replicable in multiple areas. The challenge is to understand the energy needs of these sectors and develop a sustainable green energy alternative by combination of one or more renewable energy sources.

Carbon Zero Challenge (CZeroC) 2018 is South India Renewable Energy Innovation Competition for colleges and early stage start-ups, which aims to accelerate innovations that address Climate Change. CZeroC 2018 was the initiative of IIT Madras in collaboration with the U.S. Consulate General Chennai, Polaris – A Virtusa Company and Shaastra 2018. IWMA was the Organising Partner.

Carbon Zero Challenge 2018 was open to students and/or early stage entrepreneurs of Tamil Nadu, Kerala, Karnataka, Puducherry, and Andaman and Nicobar Islands. The competition received a wide response with a total of 531 applications from college student teams (479) and early stage start-ups (52).

The project applications were evaluated based on how close they were to being carbon neutral or grid free in terms of minimizing GHG emissions and their overall life cycle costs. The metrics used were output, outcome, impact and value. After rigorous two-level screening, a total of 25 teams were shortlisted to go to the Phase II of CZC – wherein teams built prototypes for their project ideas.

These 25 teams were provided with expert mentorship and prototype funding upto Rs 5 lakhs per shortlisted project to transform their solutions into tangible products. The contest culminated in a final demo day when the shortlisted teams demonstrated their prototypes before experts from industry and academia. The best solutions received rewards and recognition as well as commitment for further financial support to progress their journey. All the teams were provided with opportunities to interact with investors and researchers to further develop their ideas.





Shortlisted teams (25) for Prototype Funding

Prototypes relevant to industry problems such as removal of hexavalent chromium from industrial waste water, recovery and re-use of rinse water from electroplating attracted industry members during the demo day on February. Selected winning teams have been committed further funding upto Rs. 10 Lakhs to scale up to market stage.

Encouraged by the response to Carbon Zero Challenge 2018, IIT Madras in collaboration with Virtusa and Shaastra has launched Carbon Zero Challenge (CZeroC) 2019. IWMA is the Organising Partner. CZeroC 2019 invites applications from students, early stage startups and those aspiring to be entrepreneurs across the country (PAN India). In this second edition of Carbon Zero Challenge, CZeroC2019 now offers

- Entrepreneurship training and certification program
- Greater emphasis on commercialization of the selected idea
- Prototype development in collaboration with a prospective industry partner
- Alignment with academic calendar, curriculum & internship needs of participating student teams

To know more about CZeroC 2019, visit https://czeroc.iitm.ac.in/





Demo day (9th Feb 2018) – Dignitaries on Dais



Team Enviro receiving award Innovation Excellence with funding for incubation support



Shortlisting of teams of Phase II July 2017

Award to team Vision X being handed over by Chairman IWMA





Dignitaries visiting the prototypes of teams on Demo Day



Electroplating Industry members of IWMA interacting with Teams



Media Coverage for IWMA- April 2017 to March 2018

Carbon Zero Challenge:



Big achievement! These 2 teams of IIT Madras made institute proud, bagged top honours in this big challenge

By: FE Online | Updated: February 10, 2018 7:09 PM



It's a big achievement for IIT Madras students

It's a big achievement for IIT Madras as the two teams of this prestigious institute have bagged two of the top five honours in Carbon Zero Challenge. It was a pioneering initiative to identify innovative and indigenous solutions to India's unique energy problems. The finale of Carbon Zero – Renewable Energy Innovation Challenge (CZeroC) was hosted on Friday by the Indian Institute of Technology Madras (IIT Madras). The program was conducted jointly with Industrial Waste Management Association (IWMA), U.S. Consulate in Chennai and Polaris, a Virtusa Company.

Basically, the Carbon Zero Challenge challenge aims to encourage technological innovations among college students

IIT Madras teams bag two of the top five honours in Carbon Zero Challenge



Chennal: The finale of Carbon Zero - Renewable Energy Innovation Challenge (CZeroC) was hosted today, 9th February 2018, by the Indian Institute of Technology Medios (IIT Madras). This South-India level event was conducted jointly with Industrial Waste Management Association (IWMA), U.S. Consulate in Chennal and Polaris, a Virtusa Company. The challenge aims to encourage technological innovations among college students and early startups. The winners were announced during the Grand Finale in the presence of a host of industry experts and dignitaries

IIT Madras teams bag two of the top five honours in Carbon Zero Challenge



'(FROM L_R) Mr. Robert G Burgess, U.S. Consul General, Chennai, Shri Vikram Kapur, IAS, Principal Secretary, Mr. Kris Canekeratne, Chairman & CEO – Virtusa Corporation & Ramamurthi, Director, IIT Madras'

It is a pioneering initiative to identify innovative and indigenous solutions to India's unique energy problems

Chennai, 9th February 2018: The finale of Carbon Zero - Renewable Energy Innovation Challenge(CZeroC) was hosted today, 9th February 2018, by the Indian Institute of Technology Madras (IIT Madras). This South-India level event was conducted jointly with Industrial Waste Management Association (IWMA), U.S. Consulate in Chennai and Polaris, a Virtusa Company. The challenge aims to encourage technological innovations among college students and early startups. The winners were announced during the Grand Finale in the presence of a host of industry experts and dignitaries.

The projects that won the Innovation Excellence Awards with Funding for Incubation Support are:

- a) Innovative Building and Cooling Systems Student team from IIT Madras
- b) Enviro Student team from IIT Madras.
- c) Blue Wave Startup from Bengaluru

Additionally, two more teams won the Innovation Excellence Awards but without funding support:

- $d)\,Turbo\,T-Student\,team\,from\,Dayananda\,Sagar\,College\,of\,Engineering,\,Bengaluru$
- e) Ozone Student team from Kongu Engineering College, Erode.

IIT Madras teams bag two of the top five honours in Carbon Zero Challenge



Chennai, 09 February 2018: The finale of Carbon Zero — Renewable Energy Innovation Challenge (CZeroC) was hosted today, 9 February 2018, by the Indian Institute of Technology Madras (IIT Madras). This South-India level event was conducted jointly with Industrial Waste Management Association (IWMA), U.S. Consulate in Chennai and Polaris, a Virtusa Company. The challenge aims to encourage technological innovations among college students and early startups. The winners were announced during the Grand Finale in the presence of a host of industry experts and dignitaries.



Going the tech way to solve environmental problems

Engineering students develop prototypes; 25 teams from colleges across south India to demonstrate projects at IIT-M

Enterprising engineering students from across south India are developing prototypes to address issues such as reducing industrial waste and improving the environ-

Around 25 teams of students from various colleges will demonstrate their prototypes at the Indian Institute of Technology - Madras from February 7 to 9. The teams were selected based on their

proposals and presentation. easible projects were given ₹5 lakh each to take forward their idea

On the sidelines of HT-M's tech fest Shaastra, teams from Kongu Engineering College, Erode; SSN College of Engineering and IIT-M, Chen-nai; SCMS College of Engineering, Kochi; and CEERI Taramani, showcased their projects.

The team led by T. Dinesh Kumar and S. Abinesh of Kongu Engineering have de-

signed a process to convert solar power directly to current in homes dispensing with the AC-DC-AC conversion now in vogue.

Saving energy, water

Veena Aishwarya and her team from CEERI have designed a low-concentration photovoltaic thermal (LC-PVT) system. "The PVT is used in hotels and textile industry. Our design will reduce the size of the solar module and produce more solar

energy"

IIT-M research scholars Ambika Selvaraj and T. Srihari Vikram have designed an evaporation and distillation unit for electroplating units in the Ambattur industrial estate to reduce water use.

"The 150 electroplating units in Ambattur use around 500 litres of water daily which is then wasted. Our unit will enable reuse of the water and also recover zinc, a metal the industry invests

heavily in," said Ms. Ambika.

Angel Joseph, an M.Tech student and her team from SCMS College, have designed microbial fuel cells to treat industrial waste water containing chromium. Ms. Joseph said this would prevent chromium pollution in the environment.

Keshay Kumar, a final year B.Tech chemical engineering student and his team from SSN, have designed a plastic disposal unit that can be installed in buildings. "Burning

1 kg of plastic produces 3 kg of CO2 which is released into the atmosphere. We are using a method called pyrolysis to burn the plastic which converts CO2 into gas and carbon," Keshav said.

K. Srinivasan, advisor, projects of Industrial Waste Management Association said funding for the projects came from Virtusa Polaris and the U.S. Consulate. "We will also help selected teams to develop multiple prototypes as a reward," he said.

IIT-M students develop intelligent street lighting device

Will Help Cut **Use Of Power**

U.Teionmayam@timesgroup.com

Chennai: At a time when the city corporation is set to revamp light ing on streets in the extended zones with LED lamps, students from Indi-an Institute of Technology Madras (IT-M) have come with a solution that they say can reduce power con-sumption. They have developed an IoT (Internet of Things) sensorbased low-cost device that can cut down power consumption by half mply by synchronised dimming of lights after dark when not required. The device also lets electricians

keep track of faults from a remote location.

The team won an award at the CarbonZeroChallenge competition on Friday organised by IIT-M. Industrial Waste Management Association, US/Consulate, Chernal, and Palacies & Microscomment

Polaris, a Virtusa company.

Sushant Wadavkar, one of the four team members, said Chennal city daily used more than 27MW of power, which is around 20% of the total energy, on streetlights. This works to nearly 238 tornes of CO2 getting released into the atmosphere every day. Globally the consumption is at 18% to 38% by street lighting. "There is a need to de-crease the energy consumption and this is possible, as people won't be using the streetlights for all the 12

DO CITY A POWER OF GOOD

> The intelligent autonomous cloudbased adaptive device (module)

The sensors in the device keep track of the presence of a pedestrian or a vehicle in the street

> It sends signal to a control unit. The control unit lets the synchronise its lighting

hours and hence it need not be at maximum brightness at all times.

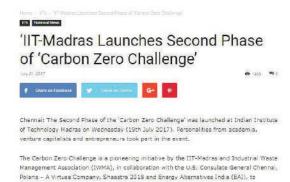
he said.
This simple thought was turned

street samps, the device can dum or brighten the light according to the presence of a podestrian or a vehicle on the road. Wadavikar said the de-vice or module has three main fea-tures — sensors to detect the pres-ence of a pedestrian or a vehicle, a control unit that lets the light send signals in each other to such confirmities. signals to each other to synchronise its lighting and an LED driver that takes instruction from the control unit on the amount of power to be supplied to the LED panel to either increase or decrease the brightness

Whiledimming of streetlights is already followed in a few countries, the IIT students said they have add-

campus and have received a pro







E-Waste Campaign:

Appeal to participate in E-waste collection drive

By Our Staff Reporter

Madras Spice Ladies Circle 133 (a part of Ladies Circle India, an All India organisation), in association with Industrial Waste Management Association and TESS-AMM, has organized an Ewaste collection drive from Sept. 17 to Oct. 4.

It has appealed to households, commercial establishments and offices to participate in the drive.

They can donate non-working, damaged or unused old laptops, desktops, chargers, electric wires, electronic gadgets including mobile phones, mp3 players, electronic toys, electronic appliances, cameras and other battery operated items.

The collection center for the neighbourhood is in AD23, AD Block 5th Street, Anna Nagar. For more details, call Sandhya Grover (Member, Madras Spice Ladies Circle 133) in 98407 38616.

She told Anna Nagar Times that the e-waste collected will not be used for any commercial purpose and discarded or recycled as per environmental norms. She further added that wrong dumping of e-waste, like in Corporation garbage bins, open places or waterways, leads to harmful toxins poisoning th environment.

Unburnt Cracker Disposal:

80 டன் பட்டாசு கழிவு சென்னையில் அகற்றம்

சென்னைர். ஆக். 20-சென்னைரில், தீபா வளி பண்டிகைக்காக ஆக்கியட்டைம். 22.20 டன் வேடிக்கப்பட்ட பட்டாக களின் கழிவு, வடன் அள விற்கு அகற்றப்பட்டதாக மாநகராட்சி தெரிவித்து உள்ளன.

மாநகராட்சி தேரிவித்து உள்ளது.
இது குறித்து, மாநக ராட்சி வெளிமிட்டுள்ள சென்னை மாநகரரட்சிக்குட்பட்ட துக்கள் மற்றும் குப்பைய மட்டும், 80 டன் அன முத்தர்கில், நாள் ஒன் முட்டு, 8,300 டன் குப்பை மட்டும், 80 டன் அன முக்கும், 4,300 டன் குப்பை மட்டும், 80 டன் அன முக்கும், 8,300 டன் குப்பை மட்டும், 80 டன் அன முக்கும், 4,300 டன் குப்பை மட்டும், 80 டன் அன முக்கும், 9,300 டன் குப்பை மட்டும், 80 டன் அன மற்றும் குப்பை மட்டும், 80 டன் அன மற்றும் குப்பை மட்டும், 80 டன் அன மற்றும் குப்பட்டிய இத்தபட்சமாக, 22,40 தல் அதிகபட்சமாக, 22,40 தல் அதிகபட்சமாக, 22,40 தல் அதிகபட்சமாக, அண்ணா தமிக்கப்பட்டது, 9,40 தல் தமிக்கப்பட்டது, 9,40 தல் தமிக்கப்பட்டது, வரிய முன்னிட்டு தென்கும் மட்டுக்கம் முழுவதும் பட்டகைன் வெடிக்கப்பட்டு, ஏராவலகளில் குவித்து அறிவுறைகின் படி, வரிய முத்தும் கும்புக்கும் மட்டு, ஏராவலகளில் குவித்து வரிவுறைகின் படி, வரிய முத்துக்கு அறிவுறைகின் படி, வரிய மூத்தின் அறிவுறைகின் படி, வரிய முத்தின் அறிவுறைகின் படி, வரிய முத்தின் அறிவுறைகின் படி, வரிய மூத்தின் அறிவுறைக்கும், மூத்தின் கூறிவுறைக்கும், மூத்தின் கூறிவுறைக்கும், மூத்தின் அறிவுறைகின் படி, வரிய மூத்தின் அறிவுறைக்கும், மூத்தின் கூறியின் கூற

மாக, அண்ணாநகரில், 1 டன் குப்பையும் சேகரிக்கப்பட்டது

கும்மிடிப்பூண்டி உள்ள அபாயகரமான சுழிவுகளை சேலிக்கக் கூடிய தனியார் நிறுவனத்திடம் ஒப் படைக்கப்பட்டது. அந்த குப்பை, பாதுகாப்பாக அழிக்கப்படும்.

அழிக்கப்படும். கடந்த ஆயுதபூஜையின் போது, மாநகராட்சி, 420 டன் குப்பையை, கூடுத் லாக அகஞ்றியது, புதன் கிழமைகளில் மட்டும், மக்காத குப்பையை, மாநகராட்சி பெற்றிறது; மற்ற இனக்களில், மற்ற தன்வகள்ல, மக்கும் குப்பைகள் பெறப் படுகின்றன. பொதுமக்கள் தாங்கனே

பொதுமக்கள் தாங்கனே குப்பைகளை மிர்த்து வழங் தினால், தப்புரவு பணியா ளர்களின் கடுதல் சுமையை தவிர்க்க முடியும். இவ்வாறு

இவ்வாறு செய்திக் குறிப்பில்கூறப்பட்டுள்ளது.

Electronic items enter the scene



In every community-driven waste management initiative, the usual suspects (which include kitchen waste and plastics) would be in full attendance. Electronic waste (e-waste) would be conspicuously absent. Partly because of the complexity involved in handling and disposing of e-waste. Not anymore. E-waste is now beginning to put in an appearance.

Residents of these neighbourhoods are helped by non-governmental organisations as well as groups engaged in e-waste management.

For example, a few months ago, the Madras Spice Ladies Circle 133 (MSLC 133), a voluntary organisation, launched an e-waste collection drive, in association with Industrial Waste Management Association and Tess-Amm, an e-waste recycler. Sandhya Grover, a resident of Anna Nagar and a member of the Association, offered her front yard as a drop-off point.

சென்னையில் 80 டன் பட்டாசு கழிவுகள் அகற்றம்

சென்னை மாநகராட்சிக்கு உட்பட்ட பகுதிகளில் தீபா வளிப் பண்டிகையை முன்னிட்டு உருவான 80 டன் பட்டாகக் கழிவுகளை மாநகராட்சி நிர்வாகம் நேற்று அகற்றியது.

இது தொடர்பாக சென்னை மாநகராட்சி வெளி யிட்ட செய்திக்குறிப்பு:

சென்னை மாநகராட்சியில் நாள்தோறும் 5,300 டன் குப்பைகள் அகற்றப்பட்டு வருகின்றன. இப்பணியில் 19,000 துப்புரவுத் தொழிலாளர் ஈடுபட்டு வருகின்றனர். தீபாவளிப் பண்டிகையை முன்னிட்டு, 80 டன் பட் டாகக் கழிவுகள் நேற்று அகற்றப்பட்டன. அவை, தமிழ்நாடு மாசுக்கட்டுப்பாட்டு வாரிய அறிவுறுத்தலின் படி, கும்மிடிபூண்டி அருகில் உள்ள அபாயகரமான கழிவுகளை சேகரிக்கும் தனியார் நிறுவனத்திடம் ஒப்படைக்கப்பட்டுள்ளது.

சென்னையில் 80 டன் பட்டாசு குப்பைகள் அகற்றம்

கடந்த ஆண்டை காட்டிலும் 12 டன் அதிகரிப்பு

சென்னை, அக் 20தபா வளியையொட்டி
சென்னையில் 80 டன்
பட்டாக கும்மைகள்
அதைறப்பட்டுள்ளது.

80 டன் பெண்டியைகள்
அதைறப்பட்டுள்ளது.

80 டன் பெண்டியைகள்
போதனி நிய்வயி
தபாவளி பண்டியைகள்
பேன் அதிலமன் முதல்
சென்கோலை வரை வயது
விதிகளாலம் இன்றி பட்டாக
கள் வெடித்து குறுக்கியது.

விதிகளாலம் இன்றி பட்டாக
கள் வெடித்து குறுக்கியது.

பட்டாககள்
வெடித்தும்போது, அடுல்
வெடித்தும்போது, அடுல்

போது கடுதலாக 420 டக் குப்பைகள் அகற்றப்பட்டத் இவ்வாறு அதில் கூறப்பட டுள்ளது.

12 டன் அதிகரிப்பு 12 LM அந்சப்படி செள்ளையில் கடந்த ஆன்டு திபாவளி பண்டிகை மின்போது 68 டன் பட்டாக கழிவுகள் அகற்றப்பட்டது இந்த ஆண்டு கடுதலாக 12 டன் கும்வமகள் சேர்ந்துள் எது குடுப்பீடத்தக்கது.



Branch at : Chennai Adyar Nagappattinam Hosur

VARADARAJAN & CO

CHARTERED ACCOUNTANTS

Ph: 044 - 2436 1243 044 - 4286 8543 e-mail: varadarajan.co@gmail.com

cachandru83@gmail.com

68, 1st Main Road, C.I.T. Nagar, Nandanam, Chennai - 600 035.

AUDITOR'S REPORT

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

Report on the Financial Statements

We have audited the accompanying financial statements of M/s. Industrial Waste Management Association, which comprise the Balance Sheet as at March 31, 2018, Income and Expenditure Account and Receipts and payments for the year then ended, and a summary of significant accounting policies and other explanatory information.

Management's Responsibility for the Financial Statements

The Executive Committee of the Association are responsible for the preparation of these 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 includes maintenance of adequate accounting records in accordance with the generally accepted accounting principles and the provisions of the Societies Act for safeguarding 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; design, implementation and maintenance of adequate internal financial controls, that are operating effectively for ensuring the accuracy and completeness of the accounting records, relevant to the preparation and presentation of the financial statements that give a true and fair view and are free from material misstatement, whether due to fraud or error.

Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on our audit. We have taken into account the provisions of the Act, the accounting and auditing standards and matters which are required to be included in the audit report under the provisions of the Act and the Rules made there under. We conducted our audit in accordance with the Generally accepted Auditing Principles and the Societies Act.. Those Standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's





Branch at : Chennai Adyar Nagappattinam Hosur

VARADARAJAN & CO

Ph: 044 - 2436 1243 044 - 4286 8543

CHARTERED ACCOUNTANTS

e-mail: varadarajan.co@gmail.com cachandru83@gmail.com

68, 1st Main Road, C.I.T. Nagar, Nandanam, Chennai - 600 035.

judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considered the Audit report on internal financial control over financial reporting, that give a true and fair view, in order to design audit procedures that are appropriate in the circumstances. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of the accounting estimates made by the Association's Executive Committee, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Opinion

In our opinion and to the best of our information and according to the explanations given to us, the aforesaid 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 the Association as at 31st March 2018, its surplus for the year ended on that date.

Report on other matters

We further 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 purpose of our audit;
- in our opinion proper books of account as required by law have been kept by the Association so far as appears from our examination of those books;
- the Balance Sheet, Income and Expenditure Account and Receipts and Payments account dealt with by this Report are in agreement with the books of account;
- d) in our opinion, the aforesaid financial statements comply with the generally accepted accounting principles in India.
- e) 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 other matters:-





Branch at : Chennai Adyar Nagappattinam Hosur

VARADARAJAN & CO

Ph: 044 - 2436 1243 044 - 4286 8543

CHARTERED ACCOUNTANTS

e-mail: varadarajan.co@gmail.com cachandru83@gmail.com

68, 1st Main Road, C.I.T. Nagar, Nandanam, Chennai - 600 035.

- 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

Chennal-35

For Varadarajan & Co.,

Chartered Accountants

Firm Registration No. 04515S

H. Chandrasekaran

Partner

Membership No: 022821

Place: Chennai Date: 18.08.2018





ANNEXURE TO AUDITOR'S REPORT

We have examined the annexed Receipts and Payment account, Income & Expenditure Account for the year ending 31.03.2018 and the Balance Sheet as at the above date of 31.03.2018, of Industrial waste management Association, Registration No.256/2002 with the Books of Account and vouchers relating thereto and report that:

- Accounts are maintained regularly and in accordance with the provisions of the Act and rules ;
- Receipts and disbursements are properly and correctly shown in the accounts;
- c) The Cash balance and vouchers in the custody of the Association on the date of the audit were in agreement with the accounts;
- All books, deeds, accounts, vouchers and other documents or records required by us were produced before us;
- The Accountant appeared before us and furnished necessary information required by us;
- No property or funds of the association are applied for any object or purpose other than the objects of the Association;
- g) No money of the Association has been invested contrary to the provisions of Section 11(2) of the Income Tax Act, 1961.
- h) No alienation of the immovable properties is made.

Chennai-35

Place: Chennai

Date: 18.08.2018

For VA

For VARADARAJAN & Co.

Sd/-

CHARTERED ACCOUNTANT

CHANDRASEKARAN

PARTNER



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

RECEIPTS AND PAYMENTS ACCOUNT FOR THE YEAR ENDED 31.03.2018

31.03.2018	628,497	324,146		858,267	138,060	5,750	327,407	•	2,470	ı	1	203,701	62,223	368,517	1	22,115	5,000,000	201.340	1,302,089	22,375	. 1	i	5,000	52,935	432,360	1	138,499	2,971,409	1	1	65,530	7,710	26,082,200	1	48,069	1	23,128	1	106,065	ı	573,439	ı	27,200
PAYMENTS	Erode Seminar Expenses	Enviro Programme Expenses	District Seminar expenses	Seminar & Conference Expenses	Confederation of Indian Industry	-Madras Chamber of Commerce	Young Environmental Scientist(YES)	Mediclaim Insurance	Subscription fees paid	Sponsorship expenses	CLRI Expenses	Project Expenses	EC Training Expenses	EC Meeting Expenses	Consultancy Fees	Bank Charges	Fixed Deposit	Equipment charges	AGM Expenses	Accounting charges	AMC for Desktop & Laptops	Audit Fee	Consultation Fees	Conveyance Expenses	Courier Expenses	Computer accessories	Electricity Charges	Salary & Honorarium Expenses	Legal Charges	Office Maintenance charges	Miscellaneous Expenses	Newspaper Charges	Payment to SIPCOT for additional Land	Land allotment fees	Advertising Expenses	Pooja Expenses	Printer Rent	TNWML Meeting Expenses	Training Expenses	Rental Deposit	Printing Charges	Property Tax	Staff Advance
31.03.2017	1,953	389,320	3,248	ı	ı	5,955	303,963	26,703	28,635	115,000	3,140	272,887	ı	341,495	393,443	5,856	8,000,000		551,606	. 1	27,000	57,500	57,500	33,498	300,858	11,822	101,490	2,906,406	7,500	53,346	125,335	1	ı	206,000	9,500	2,146	28,598	3,386	265,259	1	191,439	174,350	1
31.03.2018		2,000	1	1,820,915	8,839		2,218,386	427,437	614,655	76,576	ı	200,300				1,009		7,019,187	1,729,300	1,070,757	229,549		ı		106,698	641,000		200,000	33,252,266			26,280,100											
RECEIPTS	Opening balance	- Cash at Indian bank	- Cash in Hand	- Cash at Bank (SBI - Admin)	- Cash at Bank (SBI - Infra)	Infrastructure Fund	-Large	-Medium	-Small	-Tiny	Membership Fees	-Training Fees Received				Miscellaneous Income	Subscription Income	-Large	-Medium	-Small	-Tiny	•	Enviro Programme Income		Registration fees	Seminar fees		Sponsorship Income	FD Matured			Tamil Nadu waste management	(For additional Land allotment)										
31.03.2017			35,980	4,120,784	8,839		2,660,415	575,560	437,330	387,813	144,250	332,088				45,312		7,997,928	1,780,060	1,277,258	182,328		20,000																				



	258,624	`	110.992	119,830		143,488	0077	691,175	100,000	107,363	3,114,144	N		ı	842,455	1	113,639	74,535	47,250	151,458	17,762	109,236	525,797	10,015	ı	1	288,148	1	197,652		73,432		13,069	14,889			2,25		1	76,501,974
Purchase of Fixed Assets	- A/C	-Name Board	-Projector	-Fire extinguisher	-Computer	-Furniture	Caritty Colinton	- Electrical Tittings	-Software	- Epabx	- Interior	-Kovambedu Office building	-ccTv	Refreshment Charges	Rent	Donation	Staff Welfare	Repairs & Maintenance	HR consultancy	Stationery Expenses	Food & Stay expenses	Telephone Expenses	Travelling Expenses	Water charges	Manpower Consultancy	State level accredition fees	Technical charges	Staff Insurance	General expense	House keeping expenses	Felicitation Expenses - Mani	New office inaguration expenses	Office shifting expenses	TDS Interest & Penalty	Closing Balance	- Cash	- Cash at Bank (SBI - Admin)	- Cash at Bank (SBI - Infra)	-Cash at Indian Bank	
	183,888	14,698	54,865	9.397	87.033	161,726)		ı	•	,	1	8,713	31,015	1,358,062	2,500	50,432	1	1	67,269	1	139,602	122,518	7,640	128,641	126,500	174,279	26,703	390,576	48,998	1	1	1	1	•	1	1,820,915	8,839	5,000	20,035,945
																																								76,501,974
																																								20,035,945

Accordation	Association
Managamont	management
Wasto	Vasic
Industrial	IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
Į,	5

For Varadarajan & Co. Chartered Accountants

Sd/-H. Chandrasekaran Partner.

Date: 18.08.2018 Place: Chennai

Sd/- Sd/- Sd/- Chairman Secretary



INDUSTRIAL WASTE MANAGEMENT ASSOCIATION 409 Ten Square Mall 3rd Floor 64 Jawajarlal Nehru Salai, Koyambedu - 60010<u>7</u>

INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31.03.2018

31.03.2017	EXPENDITURE	31.03.2018	31.03.2017	INCOME	31.03.2018
389,320	To Enviro Programme Expenses	324,146	144,250	By Membership Fees	- 77
- 44	To Seminar & conference expenses	858,267	ı	By Seminar Fees	641,000
3 140	To CLIRI Expenses	1 1	- 44 282	by Registration lees received By TDS on Accrised Interest	100,096
1.953	To Erode Seminar	628.497	45,312	By Miscellaneous income	1.009
3,248	To Seminar Expenses	· · ·	332,088	By Traning Fees Received	500,300
	To Membership Fees	1	50,000	By Enviro Programme Income	. 1
1	-Confederation of Indian Industries	138,060	1	By TDS on Enviro Programme Expenses	1
5,955	-Madras Chamber of Commerce	5,750	1	By Sponsorship Income	200,000
	To Subscription fees paid	2,470	1,452,445	By Accrued Interest on FD	ı
303,963	To Young Environmental Scientist(YES)	327,407		By Subscription Income	
393,443	To Consultancy Fees	1	8,004,131	-Large	7,037,204
206,000	To Land allotment fees	1	1,780,060	-Medium	1,729,300
272,887	To Project Expenses	203,701	1,277,258	-Small	1,070,757
5,856	To Bank Charges	22,115	181,328	-Tiny	229,549
341,495	To E C Meeting Expenses	364,017	1	By FD Interest	1,369,825
1	To E C Training Expenses	62,223			
551,606	To AGM Expenses	1,303,202			
326,153	To Depreciation	423,884			
27,000	To AMC for Tally , Desktops & Laptops	1			
116,500	To Consultation Fees	2,000			
116,500	To Audit Fee	20,000			
	To Equipment Charges	201,340			
33,498	To Conveyance Expenses	55,935			
301,341	To Courier Expenses	432,837			
101,490	To Electricity Charges	138,499			
7,500	To Legal Charges	1			
26,703	To Staff Insurance	1			
125,335	To Miscellaneous Expenses	65,530			
	To Newspaper Charges	7,710			
53,346		1			
9,500		48,069			
	To Accounting Expenses	22,375			
2,146	To Pooja Expenses	1			
11,822	10 Unice Requirements-Computer accessories	- 7			
28,398	To Printer rent	23,128			
191,439	To Priming Charges	57.5,439			
174,350	To Property Tax	1			
31,026	To Refreshment Charges	1 4			
1,439,062	To Kent	1,121,455			
180,391	To Manpower Consultancy	- 7000			
2,906,400	To Staff Wolfers Suppose	2,904,909			
20,432	To Repairs & Maintenance	74 535			
67.269		151,458			
-	To Food & Stav Expenses	17,762			
139,602	To Telephone Expenses	109,236			



															13,185,642
															13,311,153
525,797	106,065	10,015	1	288,148	1	1	197,652	ı	1	73,432	27,625	13,069	14,889	1,088,355	13,185,642
122,518 To Travelling Expenses	To Training Expenses	To Water charges	To TNWML Meeting Charges		To State leve		To General expense	To House keeping expenses	To Subscription fees paid	To Felicitation Expenses - Mani	To New office Inauguration Expenses	To Office Shifting expenses	To TDS Interest & Penalty		
122,518	265,259	7,640	3,386	174,279	126,500	2,500	390,576	48,998	28,635	1				3,079,588	13,311,153

	Sd/- Treasurer
For Industrial Waste Management Association	Sd/- Secretary
_	Sd/- Chairman

For Varadarajan & Co.
Chartered Accountants
Sd/H. Chandrasekaran
Partner.

Date: 18.08.2018
Place: Chennai



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

STATEMENT OF AFFAIRS AS ON 31.03.2018

31.0	31.03.2017	LIABILITITES	31.0	31.03.2018	31.0	31.03.2017	ASSETS	31.0.	31.03.2018
14,023,248 4.061.118		Infrastructure Fund Add: Additions during the year	18,084,366 3,337,054			904,774	Fixed Assets		32,264,092
18 084 366			24 724 720				Stoff Advance		006 26
0,000,100,00		Less: Deletions During the Year					Stall Advance		002, 12
	18,084,366)		21,421,420	17,528,370		Fixed Deposit	26,980,815	_
9,595,541		Surplus o/b.	12,675,129		8,000,000		Add: Additions during the year	5,000,000	_
3,079,588		Add: Excess of Income over	1,088,355		25,528,370			31,980,815	_
		Expenditure			1		Less: Matured during the year	31,980,815	_
	12,675,129			13,763,484	25,528,370				
		Current Liablities			1,452,445		Add: Accrued Interest		
	47,250	HR Consultancy			26,980,815			ı	
	20,026	TDS	18,493		1	26,980,815	26,980,815 Less: Interest received	•	1
	81,000	Rent							
	29,000	Audit fees	109,000						_
	29,000	Consultation fees	59,000	186,493	1,062,000		Rental Advance	1,062,000	_
						1,062,000	Less: Rent Advance Adjusted	360,000	
		Sundry Creditors							702,000
		woodtech interiors		30,692					
		Ideasoftech		53,400			Sundry Debtors		80,000
									000 000
							Fayment to Sipcot for Additional Land		Z6,062,Z00
		Tamil Nadu Waste management		26,280,100		243,428	TDS		359,819
							Cash in Hand Cash at Bank		13,082
						1 820 915	- SBI (Admin)		2.258.357
						8,839	- SBI (Infra)		8,839
						5,000	-Indian Bank		1 -
	31,025,771			61,795,589		31,025,771			61,795,589

For Industrial Waste Management Association

Sd/-Treasurer

Sd/-

Sd/-Chairman

> Sd/-H. Chandrasekaran Partner

For Varadarajan & Co. Chartered Accountants

Date: 18.08.2018

Place: Chennai



INDUSTRIAL WASTE MANAGEMENT ASSOCIATION

DEPRECIATION SCHEDULE AS PER INCOME TAX ACT

PARTICULARS	AS ON 01.04.2017	ADDITIONS >180DAYS	ADDITIONS <180DAYS	DELETIONS	TOTAL	%	DEPN	AS ON 31.03.2018
Koyambedu office building	uilding	30,229,161			30,229,161	%0	1	30,229,161
Airconditioner	189,683	258,624		13,300	435,007	10%	43,501	391,506
Camera	14,284			6,667	7,617	15%	1,143	6,475
Computer	114,858			1	114,858	40%	45,943	68,915
CCTV Camera	7,362	49,169		6,667	49,864	40%	19,946	29,918
Cordless Phone	1,486			I	1,486	15%	223	1,263
UPS	34			34	•	40%	1	•
Fire extinguisher	8,692	119,830		6,667	121,855	15%	18,278	103,577
Furniture & Fittings	289,378	143,488		6,667	426,199	10%	42,620	383,579
Electrical fittings	ı	691,175		ı	691,175	15%	103,676	587,499
Inverter	41,806			6,667	35,139	15%	5,271	29,868
Laptop	11,006			1	11,006	40%	4,402	6,603
Name Board	12,493			6,667	5,826	15%	874	4,952
Printer	16,958			999'9	10,292	15%	1,544	8,748
Water Dispenser	10,911			999'9	4,245	15%	637	3,608
Projector	58,320	110,992		999'9	162,646	15%	24,397	138,249
Xerox Machine	23,440			999'9	16,774	15%	2,516	14,258
Safety Locker	34,735			1	34,735	15%	5,210	29,525
EBAX	ı	107,363		ı	107,363	15%	16,104	91,259
Software	63,360	153,400		1	216,760	40%	86,704	130,056
Mobile	5,968			-	5,968	15%	895	5,073
TOTAL	904,774	31,863,202	•	80,000	32,687,976		423,884	32,264,092
Previous year	710,607	405,272	115,408	-	1,230,927		326,153	904,774

Inauguration of ETP Operator Course SSM Polytechnic College



Felicitations and Honouring Ex-Chairman



CHWTSDF, Gummidipoondi







Regd No. 256/2002

INDUSTRIAL WASTE MANAGEMENT ASSOCIATION

No: 409, Ten Square Mall, 3rd Floor,

No: 64, Jawaharlal Nehru Salai,

Koyambedu, Chennai – 600107

Tel: +91 44 4552 2655 / 2479 8069

E-mail: contactus@iwma.in

















Waste Reduction