



# Industrial Waste Management Association

**14<sup>th</sup> Annual General Meeting  
2015 – 2016  
Annual Report**





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## **NOTICE**

Notice is hereby given that the 14<sup>th</sup> Annual General Body Meeting of the Members of Industrial Waste Management Association will be held at Hotel Feathers-A Radha Hotel, 4/129, Mt Poonamalle High Rd, Manapakkam, Chennai, Tamil Nadu 600089 on 24<sup>th</sup> September (Saturday) at 3:00 PM to transact the following business brought by the Executive Committee.

### **I. AGENDA**

1. To receive, consider and adopt the Secretary's report of the Association.
2. To receive, consider and adopt audited Balance Sheet as on 31<sup>st</sup> March 2016 and Income & Expenditure Account for the Year ended as on date.
3. To appoint the Auditor to hold office from the conclusion of the Annual General Meeting till the conclusion of the next Annual General Meeting and fix the remuneration.
4. **Special Business: Eligibility of Office Bearers**  
To pass the following resolution as Special Resolution with or without modification:  
"RESOLVED THAT the candidates contesting for the posts of Office Bearers should have served in the Executive Committee of the Association for a period of two years or more."  
**Explanatory Notes:**  
In order to leverage the expertise of the Executive Committee Members in the activities of the Association, it is felt that the Office Bearers viz. Chairman, Vice Chairman, Secretary, Treasurer and Joint Secretary shall have served in the Executive Committee of the Association for a period of two years or more.
5. To elect Members of the Executive Committee for the Year 2016-17.
6. The Chairman to adjourn the Annual General Meeting.

Date: 26<sup>th</sup> August 2016  
Place: Chennai

**K. Baskaran**  
(Secretary)

**II. ELECTION:** The following Office Bearers and Executive Members posts fall vacant (who retire by rotation/resignation):

**1. Office Bearers:**

a. Post of Vice-Chairman-Vacant

Mr. A. C. Saravanan, retires

b. Post of Joint Secretary-Vacant

Mrs. S. Chellammal, retires

**2. Executive Committee Members:**

a. Executive Committee members, 2 from Large sector:

- Mr. R. R. Seenivasagan, retires by rotation
- Mr. K. Vetrivel, resigns from his organization

b. Executive Committee member, 1 from Medium sector:

- Mr. B. Saravanan, retires by rotation and being eligible, has expressed his willingness for re-election

c. Executive Committee member, 1 from Small & Tiny sector:

- Mr. K. Natarajan, retires by rotation and being eligible, has expressed his willingness for re-election

Date: 26<sup>th</sup> August 2016  
Place: Chennai

**K. Baskaran**  
(Secretary)

## **SECRETARY'S REPORT**

I am glad to share with you that your Association has crossed a few milestones this year.

The membership has crossed 2000 mark. With the increasing membership, the visibility of your Association has also improved. We are being consulted by SIPCOT & TNPCB for their various initiatives.

### **SIPCOT:**

SIPCOT has identified IWMA as a facilitator for establishing Common TSDF in the identified landfill sites in Tamil Nadu. SIPCOT has allocated sites in Perundurai and Thoothukudi, for which your Association is processing the Environmental Clearance for establishing Common TSDF. Thoothukudi project Terms of Reference (TOR) for conducting EIA has been obtained. EIA studies are under progress.

Perundurai project, a presentation was made to SEIAA, Tamil Nadu. SEIAA had asked additional details on present conditions on environmental quality, which have been provided.

IWMA is continuing to pursue with SIPCOT for allotment of balance 40 acres of land in Gummidipoondi.

### **TNPCB:**

Co-ordination with TNPCB has been strengthened and I am glad to inform you that IWMA is a part of the Water Quality Watch Centre to identify the necessary software for online monitoring of water discharges from the industries.

Our Chairman, Mr. Mani is a member of the Research & Development Committee of TNPCB.

IWMA has also participated in the Consultative program conducted by CII- Ministry of Environment and Forests (MoEF) to review the various Waste management rules.

TNPCB has taken note of the high compliance level in the Gummidipoondi CHWTSDF and wishes IWMA to take lead in the area of Food Waste Management also. IWMA is a Member of the Technical & Coordination committees of Food Waste Management initiated by TNPCB.

Your Association is also in the Online Consent Management and Monitoring System (OCMMS) committee for Hazardous Waste and had participated in MoEF discussions.

### **TRAINING:**

Your Association has felt the importance of training Environment Management operatives of the Member industries. To begin with, the Association has scheduled Awareness Training on Environmental Laws in association with TNPCB. We have conducted two such programs in Chennai in February & March 2016. The training sessions were well received by the Members and we have planned to conduct this program in other districts like Coimbatore, Hosur, Madurai, etc.

### **In-House Training Programs:**

We have also plans to conduct in-house training programs in IWMA office premises on various environmental, quality and safety related topics. The program will focus on small groups to facilitate better understanding and involvement.

### **Certification Programs:**

IWMA has planned to conduct Operator certification program for various industrial sectors. To start with, IWMA is in the process of developing curriculum for Textile industries (Dyeing). We are in discussion with SSM Polytechnic College, Erode to conduct the program on ETP operation, maintenance, controls and documentation requirements. The programs envisages on the job training at the relevant industrial sites and lab scale training on analysis of various parameters.

In the forthcoming years, your Association is keen to develop a structured skill development course in the field of environment.

### **Accreditation**

Your organization is preparing for Accreditation of Business Membership Organization (Industry Association) by the National Accreditation Board for Education and Training (NABET), Quality Council of India (QCI). This is an Accreditation standard like ISO systems.

### **PROJECTS:**

As a part of industry oriented projects, we have taken up:

- ❖ Optimum structural design of Elevated Solar Evaporation Pan by IIT-M
- ❖ Feasibility study of Marine disposal of RO reject salts (IIT-M, NIOT, WAPCOS)
- ❖ Design of ETP for a Polymer Textile industry (CLRI)
- ❖ Colour removal from Textile effluent (CLRI)
- ❖ Recycling of Fly Ash from wood-fired boilers (CLRI)

These are at various stages of completion.



## 14<sup>th</sup> Annual General Meeting -Report

### VICE-CHAIRMAN:

In line with the last AGM resolution Mr. A.C. Saravanan (representing Indian Additives Ltd. Membership No: 42), has been nominated as Vice Chairman, by the Executive Committee. Besides being involved in Environment Management in his company, he has served as Joint Secretary of your Association for 2 years.

### OFFICE PREMISES:

In the December floods, IWMA office premises were completely inundated with irreparable damage to the furniture, office equipment and documents. However, we were able to recover most of the legal documents and electronic data. Finance documents like bills, vouchers and correspondence records were beyond recovery. With dedicated staff, the office was functional within a week's time.

In light of the damages and requirement for additional space to accommodate our Governing Body and staff, the office premises was shifted to an 1800sqft furnished premises in West Mambalam. The conference hall (with a capacity for 24) will be used for Executive Meetings and in-house training sessions.

### CSR ACTIVITIES:

As a part of our CSR activities, ENVIRO competitions, in partnership with Science Olympiad Foundation, were conducted on the 18<sup>th</sup> & 19<sup>th</sup> of July 2015 in ICSR Auditorium in IIT-M. It has attracted participation of 250 students from 70 schools.

Y E S Awards 2016, an innovation triggering event for schools, mentored by Prof. Natarajan of IIT-M was conducted from July 2015 to January 2016. Over 40 projects have been presented and the best projects were awarded on 31<sup>st</sup> January 2016 by Prof. A. K. Mishra, Dean, Academic Research, IIT- Madras.

Teaming with CII, CII-Yi, and TES-AMM, ECAP, an E-waste awareness program was conducted on 29<sup>th</sup> February 2016 in ICSR auditorium of IIT-M. 75 schools participated in the event.

### CHWTSDF:

We are proud to share with you that **Thiru. K. C. Karuppannan**, the Honorable Minister for Environment and Pollution Control, Government of Tamil Nadu visited and inspected the Common Hazardous Waste Treatment Storage and Disposal Facility at Gummidiipoondi on 1<sup>st</sup> June 2016. The Minister expressed his appreciation for the efforts taken for safe disposal of hazardous waste.

Thank you,

Date: 26<sup>th</sup> August 2016

Place: Chennai

**K. Baskaran**  
(Secretary)



**EXECUTIVE COMMITTEE FOR THE YEAR-2015-2016**  
**OFFICE BEARERS**

<p><b>Chairman</b></p> <p>Mr. S. Mani          President (SHE &amp; CSR)          Orchid Chemicals &amp; Pharmaceuticals Ltd.</p>	
<p><b>Secretary</b></p> <p>Mr. K. Baskaran          Head          Aarthi Industries</p>	
<p><b>Treasurer</b></p> <p>Mr. M. Balasubramanian          Senior Manager (Environment)          Hyundai Motor India Ltd.</p>	
<p><b>Joint Secretary</b></p> <p>Mrs. S. Chellammal          MTL Instruments Pvt. Ltd.          Manager EHS</p>	
<p><b>Vice Chairman</b></p> <p>Mr. A.C. Saravanan          Senior Manager          Indian Additives Ltd.</p>	

**EXECUTIVE COMMITTEE MEMBERS FOR THE YEAR- 2015-2016**

<p>Mr. Gomathi Sankar I. K.          AGM-HRM &amp; Admin          V.S.T Tillers Tractors Ltd.</p>	
<p>Mr. R. Jagannathan          Director          Sri Suryodhaya Processing Pvt. Ltd.</p>	
<p>Mr. K. Natarajan          Proprietor          Divya Engineering Works</p>	
<p>Mr. N. Palanisamy          Managing Director          Aruna Textile Processing Mills</p>	
<p>Mr. D. Ponnuswamy.          Senior Manager-Environment          Renault Nissan Automotive India Pvt. Ltd.</p>	
<p>Mr. B. Saravanan          Senior Manager-Facility          Super Auto Forge Ltd.</p>	

**EXECUTIVE COMMITTEE MEMBERS FOR THE YEAR- 2015-2016**

Mr. R. R. Seenivasagan, Manager (EHS) Coromandel International Ltd.	
Mr. Suresh Kandi Manoharan Executive Director Best Colour Solutions India Pvt. Ltd.	
Mr. R. Thirugnanam Dy. General Manager Maintenance Simpson & Co. Ltd.	
Mr. M. Thiyagarajan Asst. Manager - Utilities & Projects Brakes India Ltd. (Unit 36)	
Mr. K. Vetrivel Manager - Safety, Health & Environment SRF Ltd.	

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

**Secretariat:**

Admin Advisor : Mr. R. Barath  
 Technical Advisor : Mr. N. Ramadoss  
 Project Advisor : Mr. K. Sivaraman  
 Assistant Manager  
 (Technical) : Ms. S. Sneha  
 Assistant Manager  
 (Resource Development) : Mr. C. Madhan  
 Officer-Administration : Mrs. K. Gajalakshmi  
 Office Executive : Ms. M. Vidhya  
 Office Assistant : Mr. D. Murugan

## **ABOUT IWMA**

The Environmental Protection Act, 1986 sets the onus of identifying the sites for Common Hazardous Waste Treatment Storage and Disposal Facility (CHWTSDF) to the State Governments. In line with the directive from Honorable Supreme Court of India, the Government of Tamil Nadu, through Tamil Nadu Pollution Control Board (TNPCB), formed a core group of representatives from the industries in Tamil Nadu to coordinate the establishment of CHWTSDF in 1999.

In this context, at the behest of TNPCB, Industrial Waste Management Association (IWMA) was set up as a Not for Profit Organization in 2002, with initial strength of 35 members from various industries. From 2002 to 2007, the Association was coordinating the assessment and clearance of various sites along with the Government of Tamil Nadu. During this period, IWMA was functioning from the premises of Orchid Chemicals in Cathedral Road. An Executive Committee of nine members met on a monthly basis to build the framework of the Association.

The Govt. of Tamil Nadu, through SIPCOT leased ~27 acres of land at Gummidipoondi to IWMA to establish a CHWTSDF. IWMA engaged Ramky group to establish and operate a CHWTSDF (first common hazardous waste landfill facility in the state) through Tamil Nadu Waste Management Ltd for industries in Tamil Nadu. The landfill facility is amongst the best maintained hazardous waste disposal sites in the country. With the establishment of CHWTSDF in Gummidipoondi Export Promotion zone in ~27 acres by 2008, the membership increased to more than 100; the Association felt the need for an organized office. With prime focus on coordinating the operation of a secure landfill facility, a highly experienced scientist with industrial field experience was inducted as Executive Secretary along with an office assistant. The Registered Office was shifted to a rented premise in Ashok Nagar. Over a period of years, the Association registered a tremendous growth in membership to nearly 2200 at present.

At present, the Association functions at a new office premise in Brindavan Street, West Mambalam. The current strength of the Executive Committee is 16 with members from diverse industrial categories who have considerable expertise in the field of environment and/or practicing professionals. In addition, IWMA has experienced Advisors who guide and help implement the activities of the Association.

Besides periodic review of the landfill site operation, IWMA conducts Seminars, training programs and offers consultancy services to industries/ industry clusters in partnership with institutions such as Central Leather Research Institute (CLRI), Chennai and IIT-Madras on environmental issues related to air, water and waste management.

IWMA has been actively involved in creating awareness among school children in areas of environment, renewable energy, recycling, climate change, water conservation and global warming.

IWMA conducts “ENVIRO” program in collaboration with Science Olympiad Foundation for school children. Competitive events like Collage Making, Just a minute, Debate, Poster Making, Best out of Waste are held to promote the importance of environment among school children.

IWMA annually conducts “Young Environmental Scientist” program under the guidance of Prof T. S. Natarajan (formerly Professor at IIT-Madras, now Professor at IIT-Tirupathi) for promoting scientific research interest among school children from 8<sup>th</sup> to 12<sup>th</sup> standard from private schools as well as Corporation of Chennai Schools.

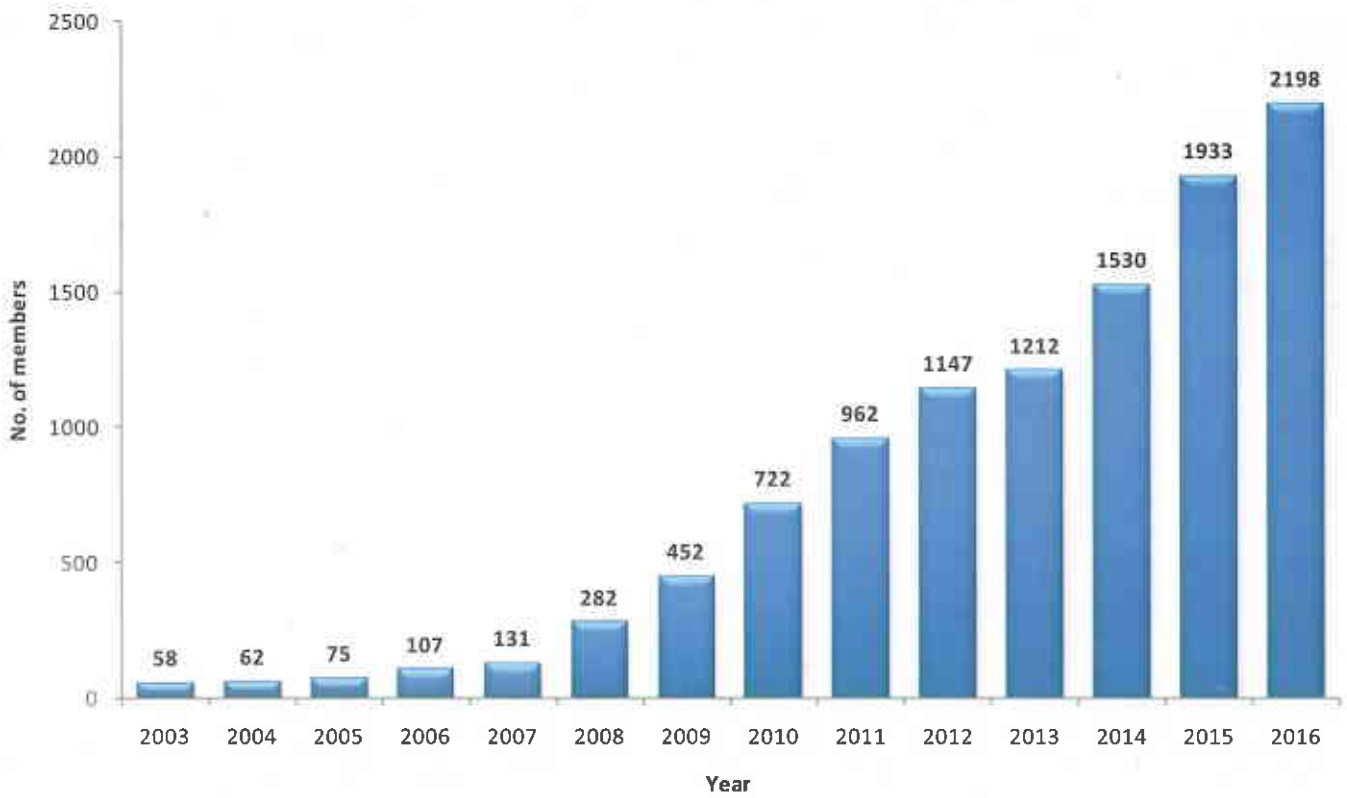
Another initiative of IWMA is an “ECAP (E-Waste Collection and Awareness Program)” covering schools in the city has been taken up in partnership with CII-YI and Tes-Amm Recyclers.

Besides the above, IWMA offers the following services:

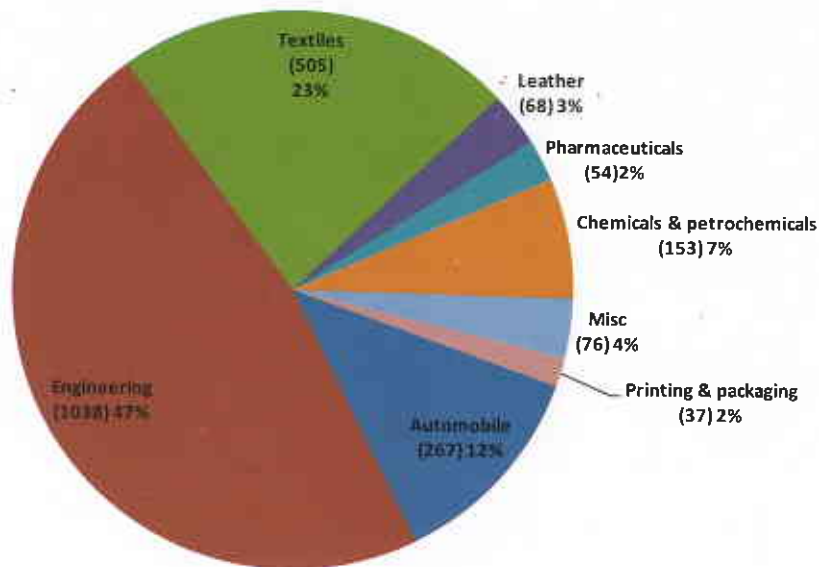
- ❖ Technical clarifications to industries on disposal of Hazardous waste
- ❖ Providing updates on change in Environment regulations to members (through website and training programs)
- ❖ Guidance for submission of Consent order application to TNPCB

<b>Registered Office</b>	New No: 34 (Old No: 70), First Floor, Brindavan Street, West Mambalam, Chennai - 600 033 Phone: 044 - 45522655, 044 – 24728069
<b>Common Hazardous Waste Treatment, Storage and Disposal Facility</b>	Plot no: 5-15 & 28 – 33, SIPCOT Industrial Complex, Gummidipoondi, Thiruvallur District, Tamil Nadu Tel: 044-27923310

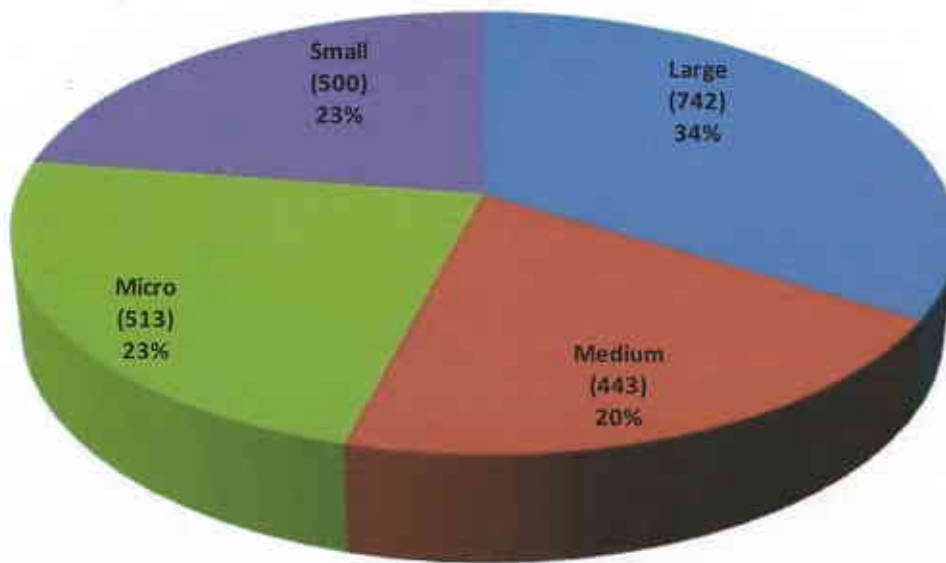
**MEMBERSHIP REGISTRATION GROWTH**



**INDUSTRIAL MEMBERS-CATEGORY WISE (As on March, 2016)**



**INDUSTRIAL MEMBERS-SECTOR WISE (As on March, 2016)**



■ Large ■ Medium ■ Micro ■ Small

**SUBSCRIPTION STATUS (Effective members as on 31<sup>st</sup> March, 2016)**

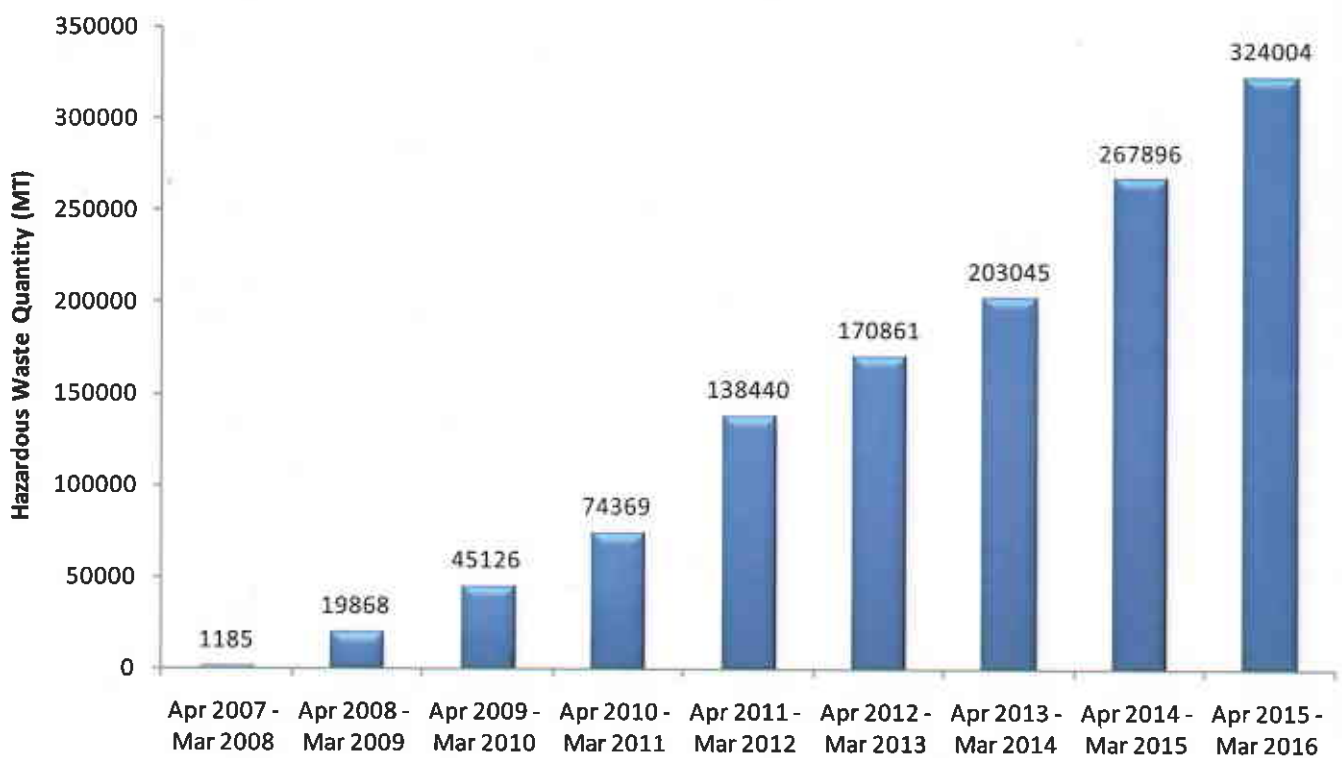
Active Members	Subscription received	Pending
2198	1606	592

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

<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>• <u>Landfill - Phase I,</u> <u>Disposed quantity: ~3.25 Lakh MT</u> Cell 1 Completed Cell 2 Completed Cell 3 Completed Cell 4 Completed Cell 5 Disposal is in progress Cell 6 Under construction</li> <li>• <u>Incinerator</u> <u>Disposed quantity: ~23, 200 MT</u></li> </ul> <p><u>Capacity:</u> 100,000 TPA for Landfill 1.5 Tons/Hour for Incinerator</p> <p><u>Project Promoter:</u> IWMA</p> <p><u>Service Provider:</u> TNWML Chennai (Group of Ramky Industries)</p>
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**HAZARDOUS WASTE DISPOSAL QUANTITY AT CHWTSDF**



**IWMA ACTIVITIES**

**TRAINING PROGRAMS**

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.

IWMA is in the process of developing training modules. During the previous financial year (2015-2016), 2 such programs were conducted and respective modules have been developed.

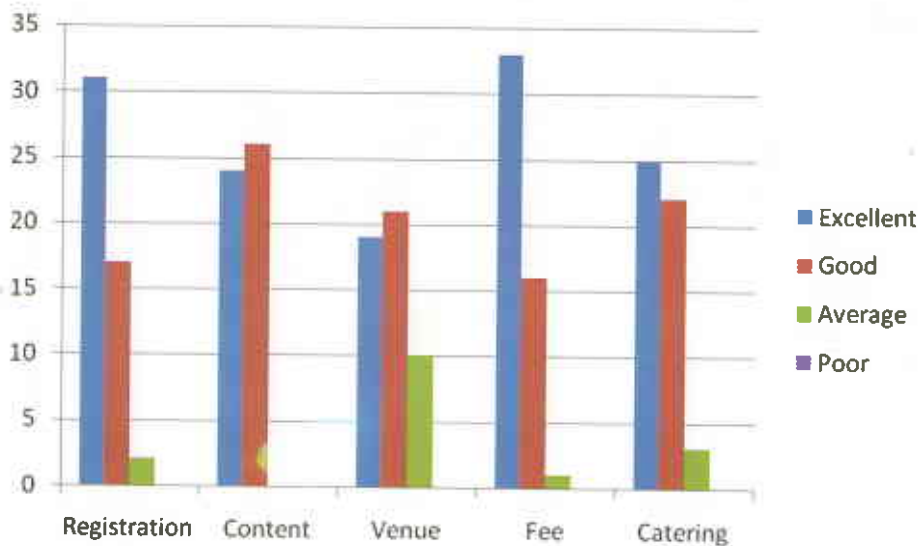
**1. Hazardous Waste Management @ Hotel Bhimaas, Chennai -12<sup>th</sup> & 13<sup>th</sup> Feb 2016.**



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The very first training program by IWMA was a 2-day long program conducted in the month of FEBRUARY 2016 on the topic, "Hazardous Waste Management" at Hotel Bhimaas, Vadapalani, Chennai. 85 delegates from industries participated in the program. A site visit was arranged on day 2 to the Common Hazardous Waste Transfer Storage & Disposal (CHWTSDF) site at Gummidipoondi.

The feedback obtained is as follows:

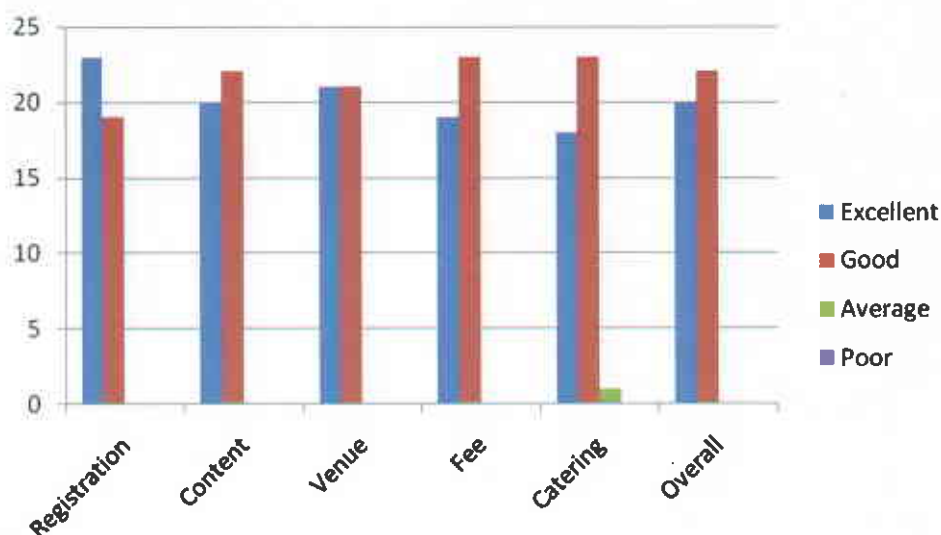


**2. Regulatory Requirements & OCMMS @ IIT Madras, Chennai - 22<sup>nd</sup> March 2016**



The second program was conducted in the month of MARCH 2016 on the topic, “Regulatory Requirements & Online Consent Management & Monitoring Systems (OCMMS)” at IC & SR hall at IIT Madras, Chennai. OCMMS was presented by the OCMMS team of Tamil Nadu Pollution Control Board (TNPCB).

The feedback obtained is as follows:



Moving forward, IWMA plans the following:

- ❖ Extend training programs to other districts of Tamil Nadu.
- ❖ Organize weekly in-house training programs.

### ENVIRO 2015

Every year IWMA in collaboration with Science Olympiad Foundation (SOF) conducts ENVIRO - a two day environmental awareness program for school children. Competitive events like Collage making, Just a minute, Debate, Poster making, Best out of waste, Adzap and model displays are held to promote the importance of environment among school children. Dr. Sultan Ahmed Ismail, M.Sc., Ph.D., D.Sc., Soil Biologist and Ecologist from Eco Science Foundation was invited as the Chief Guest for the event.

This year, ENVIRO 2015 was conducted at IIT-Madras on 18<sup>th</sup> &19<sup>th</sup> of July 2015. Around 70 schools (more than 250 students) in and around Chennai participated in the following competitions on topics related to environment.

- Collage making - Junior
- Just a minute - Middle
- Debate - Senior

A Science Awareness Workshop for the YES 2016 (Young Environmental Scientist) programme was also conducted. Dr. T. S. Natarajan, Professor, IIT-Madras demonstrated interesting science experiments during the workshop.



**YOUNG ENVIRONMENTAL SCIENTISTS AWARDS - YES 2016**

IWMA conducts an inter-school (Classes 8 to 12) research oriented competition for school children, since 2012, called YOUNG ENVIRONMENTAL SCIENTIST (Y E S). This is a Quest for young minds, who are intent on shaping Tomorrow, today. Prof. Natarajan of IIT (M) 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.

Y E S Awards-2016 was conducted on 31<sup>st</sup> January 2016 at IC & SR Conference Hall, IIT Madras. Over 40 projects were presented. Prof. Natrajan, Dr. S. Kavita, Fibsol, IITM Research Park and Dr. Manu Jaiswal, IIT-M evaluated the projects. Prof. A. K. Mishra (Dean Academic Research, IITM), the Chief Guest for the program, distributed the prizes to the winners.



**AWARD CEREMONY OF E-WASTE COLLECTION AND AWARENESS PROGRAM (E-CAP)  
2015**

ECAP is a collection campaign of E-Waste by joint efforts of TES-AMM, CII, IWMA, CII-YI, REPORT BEE & DANFOSS.

The ceremony held at IIT-Madras on 29<sup>th</sup> February 2016 was to award schools who had collected the highest quantity of E-Waste. This in turn was collected by TES-AMM to be processed at their site.

**GUESTS**

- ❖ Dr. K . Karthikeyan, Member Secretary, TNPCB
- ❖ Mr. Charles, Chief Environment Engineer (E-Waste), TNPCB
- ❖ Mr.Jarek, Senior Director Operation Danfoss (India)
- ❖ Mr. Arun krishnamurthy, Founder, EFI
- ❖ Mr. Mani, Chairman, IWMA
- ❖ Mr. Ravi Senthilkumar, Environment Chair, YI-CII and
- ❖ Mr Rathinam Thyagarajan, VP, TES-AMM (India) Pvt. Ltd.

E-CAP program has covered nearly 1,50,000 students, 75 schools and collected about 5 tons of E- waste over the last 2 years.





## COMPLETED PROJECTS

### Design of ETP for a Polymer Textile industry at Chennai

#### BACKGROUND

Industrial Waste Management Association (IWMA) has identified Environmental Technology Division in CSIR-CLRI as its consultant to solve the environmental issues emerged in industries in Tamil Nadu. IWMA and CSIR-CLRI have been rendering their service from March, 2011. CSIR-CLRI offers solutions to manage liquid, solid and gaseous wastes generated in industries in Tamil Nadu.

Advance high efficient wastewater filtration plant, designed and developed by Dr. G. Sekaran, Environmental Technology Division, CSIR – CLRI was inaugurated by Mr. Ulrich Scherbel, General Manager – GBD Apparel, FPM in presence of Dr. B. Chandrasekaran, Director, CSIR – CLRI along with IWMA chairman and members on 7<sup>th</sup> June 2016, Chennai (Fig. 1 and Fig. 1).



**Fig. 1 Dr. B. Chandrasekaran, Director, CSIR – CLRI addressing the gathering**



**Fig. 2 Inauguration of the full scale wastewater treatment plant**

## Structural Design for Elevated Solar Pan

### BACKGROUND

In Effluent Treatment Plants, Solar Evaporation Pan (SEP) is one of the components which is used to dry final reject. If SEP is built directly on ground, there is a possibility that concentrated effluent present in SEP might leak through cracks developed on SEP floor. Since SEP is built on ground, it is not possible to verify whether any leakage is happening.

Hence, Tamil Nadu State Pollution Control Board has started insisting to build Elevated Solar Evaporation Pan (ESEP) which is at least 1.2 m above ground level. This elevated structure will ensure that any leakages in the ESEP can be easily identified and rectified.

### THE PROJECT

Hence, for the benefit of all its members, the Industrial Waste Management Association (IWMA) joined hands with Department of Civil Engineering, IIT-Madras to develop the optimal civil structure for ESEP.

IWMA engaged Ms. Rajeswari Jupalli, a B.Tech- Civil Engineering student at IIT- Madras, for carrying out the project under the guidance of Prof. Devdas Menon.

For designing the Solar Evaporation Pan combinations of the following four parameters were considered: Height of structure above ground level, Breadth, Length and Soil bearing capacity.

All designs were done as per Method IS 456:2000, including serviceability checks. The detailed report with a total of 850 ESEP civil designs was submitted to IWMA.

The report contains a total of 840 ESEP designs for maximum effluent storage of 15mm.



## AUDITOR'S REPORT

We have examined the statement of Affairs of **INDUSTRIAL WASTE MANAGEMENT ASSOCIATION, OLD NO 70, NEW NO 34, FIRST FLOOR, BRINDHAVAN STREET, WEST MAMBALAM, CHENNAI-600033**, as at **31.03.2016**, the Receipts and Payments and the Income and Expenditure Account the year ended on that date which are in agreement with the books of accounts maintained by the said Association.

We have obtained all the information and explanations which to the best of our knowledge and belief were necessary for the purpose of Audit. In our opinion proper books of accounts have been kept by the Association.

In our opinion and to the best of our information and according to explanation given to us the said accounts give a true and fair view

(a) In the case off the Statement of Affairs, the state of the above named Association as at 31.03.2016.

And

(b) In the case of Income and Expenditure account, Excess of Income over Expenditure for the year ending on 31.03.2016.

The prescribed particulars are annexed hereto.

Place :Chennai

Date : 10.08.2016

for VARADARAJAN & CO.,  
Chartered Accountants.



(H.CHANDRASEKARAN)  
Partner



**ANNEXURE TO AUDITOR'S REPORT**

We have examined the annexed Receipts and Payment account, Income & Expenditure Account for the year ending 31.03.2016 and the Balance Sheet as at the above date of 31.03.2016, of Industrial waste management Association, Registration No.256/2002 with the Books of Account and vouchers relating thereto and report that:

- a) Accounts are maintained regularly and in accordance with the provisions of the Act and rules ;
- b) 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 ;
- d) All books, deeds, accounts, vouchers and other documents or records required by us were produced before us ;
- e) The Accountant appeared before us and furnished necessary information required by us;
- f) 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)
- h) No alienation of the immovable properties is made.

Place : Chennai

Date : 10.08.2016



for VARADARAJAN & Co.  
CHARTERED ACCOUNTANT

H.CHANDRASEKARAN  
PARTNER





INDUSTRIAL WASTE MANAGEMENT ASSOCIATION  
 No 34, First Floor, Brindhavan Street,  
 West Mambalam, Chennai-600 033.

RECEIPTS AND PAYMENTS ACCOUNT FOR THE YEAR ENDED 31.03.2016

31.03.2016	RECEIPTS	31.03.2016	31.03.2016	PAYMENTS	31.03.2016
1,535	Opening balance	36,499	3,41,324	Enviro Programme Expenses	7,97,754
14,74,886	- Cash in Hand	53,49,390	28,534	Special site visit expenses	1,64,775
8,839	- Cash at Bank (SBI - Admin)	8,539	18,775	District Seminar expenses	
33,83,754	- Cash at Bank (SBI - Infra)		2,37,731	Seminar & Conference Expenses	34,175
	Infrastructure Fund			-Confederation of Indian Industries	30,618
	-Large	23,29,437		-Madras Chamber of Commerce	18,604
	-Medium	3,85,888	403	User charges revision expenses	
	-Small	2,56,593	18,615	Mediclaim Insurance	1,00,000
	-Tiny	89,647	3,45,333	Young Environmental Scientist	37,394
	Membership Fees	1,03,500	1,05,314	Sponsorship Expenses	8,88,738
21,30,377	- Seminar Income			CLRI Expenses	2,34,871
22,250	Other Income- Seminar & Fund			Project Expenses	1,33,015
3,58,500	Management Rule Books			E Cap Seminar Expenses	4,400
	-Hall Bookings Enviro		68,289	Consultancy Fees	25,00,000
57,280	Income Tax Refund		3,35,000	Bank Charges	
	-Training Fees Received		3,870	Fixed Deposit	
255	-Sale of Old Newspapers	63,464	41,25,041	TDS Receivable	8,27,346
2,200	Miscellaneous Income	900	175	AGM Expenses	
62,50,008	Subscription Income		5,33,500	EC Meeting Expenses	14,616
	-Large	69,62,553	12,585	AMC for Desktop & Laptops	57,000
	-Medium	12,12,963	56,180	Audit Fee	57,000
	-Small	8,02,438		Consultation Fees	3,86,230
	-Tiny	2,84,392		Courier Expenses	2,16,188
	Enviro Programme Income	67,500	1,83,454	AMC for Tally	56,940
24,779	TDS		2,97,696	Electricity Charges	7,54,338
			5,056	Honorarium Expenses	1,88,000
			41,190	Legal Charges	1,44,120
			6,17,000	Office Maintenance charges	95,606
			2,20,000	Miscellaneous Expenses	4,705
			2,05,750	General Maintenance Charges	
			30,282	Advertising Expenses	4,475
			13,314	Professional Fees	10,83,532
				Poola Expenses	13,582
			28,389	Office requirements	3,43,469
				TNMMI Meeting Expenses	1,58,893
				Training Expenses	6,10,000
			87,684	Rental Deposit	
			1,74,350	Printing Charges	
				Property Tax	1,74,350

31.03.2015	RECEIPTS	31.03.2016	PAYMENTS	31.03.2016
1,57,24,379			Purchase of Fixed Assets	
			- Water Dispenser	8,300
			- Phone	7,590
			- Safety Locker	45,800
		300	- Inverter	31,471
			- Air Conditioner	
			- Computer	1,98,826
			- Furniture	54,850
			- Software	3,42,000
			- Camera	6,527
			- Laptop	30,900
			- Printer	
			- CCTV	
		21,718	Refreshment Charges	71,491
		28,505	Rent	3,21,958
		38,512	Science Olympiad	
		4,45,410	Salary paid	18,94,212
		32,868	Staff Welfare	
		12,67,457	Message Bag House	31,024
		6,064	Stationery Expenses	2,17,462
			Food expenses	3,39,925
		36,681	Telephone Expenses	65,467
		1,66,150	Traveling Expenses	68,313
			Water charges	30,108
		15,600	Website Updation Expenses	9,386
		11,232	Manpower Consultancy	69,600
		10,000	CEA Fest IIT Sponsor - Civil	22,463
		10,000	CEO Fest IIT Sponsor - Bio Tech	
		57,000	Performance Allowance	
		14,972	Special Meeting Expenses	
		24,628	PM Digital Printer	
		19,381	Erode ADTA	
			Closing Balance	
		36,498	- Cash	35,980
		53,49,350	- Cash at Bank (SBI - Admin)	41,30,794
		8,839	- Cash at Bank (SBI - Infra)	8,839
1,57,24,379		1,57,24,379		1,79,64,004

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

Date: 10.08.2016  
 Place: Chennai

For Industrial Waste Management Association  
  
 Chairman

  
 Treasurer

  
 Secretary



**INDUSTRIAL WASTE MANAGEMENT ASSOCIATION**  
 No 34, First Floor, Brindhavan Street,  
 West Mambalam, Chennai-600 033.

**INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31.03.2016**

31.03.2016	EXPENDITURE	31.03.2016	31.03.2016	INCOME	31.03.2016
3,41,324	To Enviro Programme Expenses	8,55,622	21,39,377	By Membership Fees	-
26,534	To Special site visit expenses	1,00,000	2,816	By Hall Booking Enviro	-
-	To Sponsorship Expenses	7,24,130	22,250	By Seminar Income	1,03,600
68,299	To E Cap Seminar Expenses	1,64,775	3,56,500	-Other Income Seminar & Fund	-
1,05,314	To CLRI Expenses	34,175	-	Management Rule Books	-
-	To Coprocessing Seminar expenses	30,618	57,280	- Sale of TNPCB Guidelines	-
2,37,731	To Seminar Expenses	1,33,015	255	By Income Tax Refund	900
-	To Membership Fees	3,21,119	9,96,838	-Sale of Old Newspapers	12,54,101
-	-Confederation of Indian Industries	4,400	2,200	By Accrued Interest on FD	1,38,350
-	-Madras Chamber of Commerce	6,27,346	82,50,008	By TDS on Accrued Interest	-
3,45,333	To Young Environmental Scientist	2,34,871	-	By Miscellaneous Income	-
3,35,000	To Consultancy Fees	14,616	-	By Subscription Income	-
403	To User Charges Revision expenses	17,000	-	-Large	69,52,553
66,455	To Depreciation	10,83,532	3,21,119	-Medium	12,12,963
3,870	To Bank Charges	3,66,230	4,400	-Small	8,02,438
12,585	To E C Meeting Expenses	2,04,791	-	-Tiny	2,95,452
5,33,500	To AGM Expenses	7,80,336	6,27,346	By Training Fees Received	63,464
18,775	To District Seminar Expenses	2,00,000	-	By Enviro Programme Income	67,500
5,056	To Project Expenses	18,604	-	By TDS on Enviro Programme Expenses	7,500
-	To AMC for Tally ,Desktops & Laptops	95,806	2,34,871		
-	To Consultation Fees	4,705	14,616		
-	To Audit Fee	1,44,120	17,000		
1,63,454	To Professional Fees	57,000	57,000		
2,97,886	To Conveyance Expenses	10,83,532	10,83,532		
41,190	To Counter Expenses	3,66,230	3,66,230		
6,17,000	To Electricity Charges	2,04,791	2,04,791		
2,20,000	To Honorarium Expenses	56,940	56,940		
18,815	To Legal Charges	7,80,336	7,80,336		
30,262	To Mediclaim Expenses	2,00,000	2,00,000		
-	To Miscellaneous Expenses	18,604	18,604		
2,05,750	To Newspaper Charges	95,806	95,806		
	To Office maintenance charges	4,705	4,705		
		1,44,120	1,44,120		





31.03.2016	EXPENDITURE	31.03.2016	31.03.2015	INCOME	31.03.2016
-	To Advertising Expenses	4,475			
28,369	To Pooja Expenses	13,582			
6,064	To Office Requirements	-			
97,884	To Datacard Charges	-			
1,74,350	To Printing Charges	-			
38,512	To Property Tax	1,74,350			
4,45,410	To Refreshment Charges	71,491			
11,232	To Rent	3,30,958			
12,67,457	To Manpower Consultancy	22,463			
-	To Salary paid	18,94,212			
-	To Staff Welfare expenses	31,024			
-	To Bag for Training And meeting	2,17,462			
-	To Stationery Expenses	3,39,925			
36,661	To Food Expenses	65,467			
1,66,150	To Telephone Expenses	66,313			
-	To Travelling Expenses	30,108			
-	To training Expenses	1,58,893			
-	To Water charges	9,386			
10,000	To TNWML Meeting Charges	3,43,469			
10,000	To CEA Fest IIT Sponcer- Civil	-			
19,381	To CEA Fest IIT Sponcer- Bio Tech	-			
24,628	To Erode ADTA	-			
14,972	To PM Digital Printer	-			
57,000	To Special Meeting expenses	-			
15,600	To Performance Allowance	-			
57,09,618	To Website Updation Expenses	69,600			
	To Excess of Income over Expenditure	7,72,792			
1,18,27,624		1,08,99,721	1,18,27,624		1,08,99,721

For Varadarejan & Co.  
 Chartered Accountants  
  
 H. Chandrasekaran  
 Partner.

Date: 10.08.2016  
 Place: Chennai

For Industrial Waste Management Association

  
 Chairman

  
 Secretary

  
 Treasurer



INDUSTRIAL WASTE MANAGEMENT ASSOCIATION

DEPRECIATION SCHEDULE AS PER INCOME TAX ACT

PARTICULARS	AS ON 01.04.2015	ADDITIONS >180DAYS	ADDITIONS <180DAYS	DELETIONS	TOTAL	%	DEPN	AS ON 31.03.2016
Airconditioner	29,857			-	29,857	10%	2,986	26,871
Camera	12,668		6,527	-	19,195	15%	2,390	16,805
Computer	1,849		1,98,826	-	2,00,675	60%	60,757	1,39,918
CCTV System	24,229			-	24,229	60%	14,537	9,692
Cordless Phone	2,057			-	2,057	15%	309	1,748
UPS	213			-	213	60%	128	85
Furniture & Fittings	1,18,307		54,650	-	1,72,957	10%	14,563	1,58,394
Inverter	23,616		31,471	-	55,087	15%	5,903	49,184
Laptop	14,710		30,900	-	45,610	60%	18,096	27,514
Printer	23,471			-	23,471	15%	3,521	19,950
Water Dispenser	6,069		8,300	-	14,369	15%	1,533	12,836
Projector	16,173			-	16,173	15%	2,426	13,747
Xerox Machine	32,444			-	32,444	15%	4,867	27,577
Safety Locker	-	20,000	25,800	-	45,800	15%	4,935	40,865
Software	-	2,70,000	72,000	-	3,42,000	60%	1,83,600	1,58,400
Mobile	-		7,590	-	7,590	15%	569	7,021
<b>TOTAL</b>	<b>3,05,663</b>	<b>2,90,000</b>	<b>4,36,064</b>	<b>-</b>	<b>10,31,727</b>		<b>3,21,119</b>	<b>7,10,608</b>
<b>Previous year</b>	<b>3,21,594</b>	<b>50,523</b>		<b>-</b>	<b>3,72,117</b>		<b>66,455</b>	<b>3,05,662</b>



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## Registered Office

New No:34 (Old No:70), First Floor,  
Brindavan Street, West Mambalam, Chennai - 600 033  
Phone: 044 - 45522655, 044 - 24728069  
Email: iwma12@gmail.com, technical@iwma.in



Recycling



Rain Water Harvesting



Waste Management



Water Conservation



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Renewable Energy



Global Warming



Waste reduction