

Focus Areas

- Hazardous and other Wastes (MTM) Rules 2016
- Hazardous Waste Management: Gujarat and Indian Scenario
- Innovation and technological advancement in the field of hazardous waste Management
- Coprocessing of hazardous waste in cement/steel/ Thermal power plants
- Risk assessment and disaster management of contaminated HW sites
- Methods of remediation of HW contaminated sites
- Performance up gradation and effective O & M of TSDF and CHWIF
- Effect of exposure to HW on human health
- Waste to Wealth: Utilisation of hazardous waste as building materials

Resource Institutes

- National Environmental Engineering Research Institute (NEERI)
- National Institute of Occupational Health (NIOH)
- National Productivity Council (NPC)
- Central Pollution Control Board (CPCB)
- Gujarat Pollution Control Board (GPCB)
- Centre for Environment Education (CEE)
- Indian Institute of Technology (IIT)

Date: 17th June 2016

Venue:

All Technical Sessions at:
 The Auditorium,
 Centre for Environment Education (CEE)
 Nehru Foundation for Development
 Thaltej Tekra, Ahmedabad, 380 054
 Gujarat
www.ceeindia.org
 +91-79-26844764
 and 2685002 to 05
 +91-79-26858010

Why should you participate?

MoEF&CC has introduced HW Rules on 4th April 2016 emphasizing the need of adopting circular economy and industrial symbiosis for improving the quality of environment and at the same time reducing the cost of treatment drastically through coprocessing. The programme is designed for representatives of the Industrial associations, individual industries, TSDF operators, regulators such as local bodies, Pollution Control Board, policy makers such as representatives of Department of Environment of State Governments, academia and research institutes, technical students, NGOs, auditors and consultants and preprocessing facility operators to enlighten them as how to use the concept of 4R in production as well as while operation of the common facility and ensure better compliance.

Registration

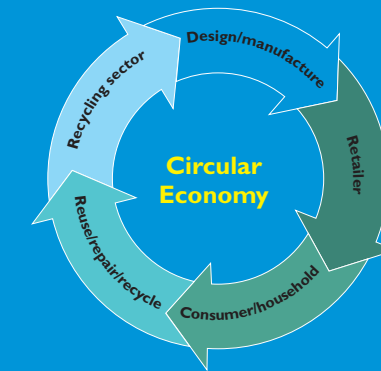
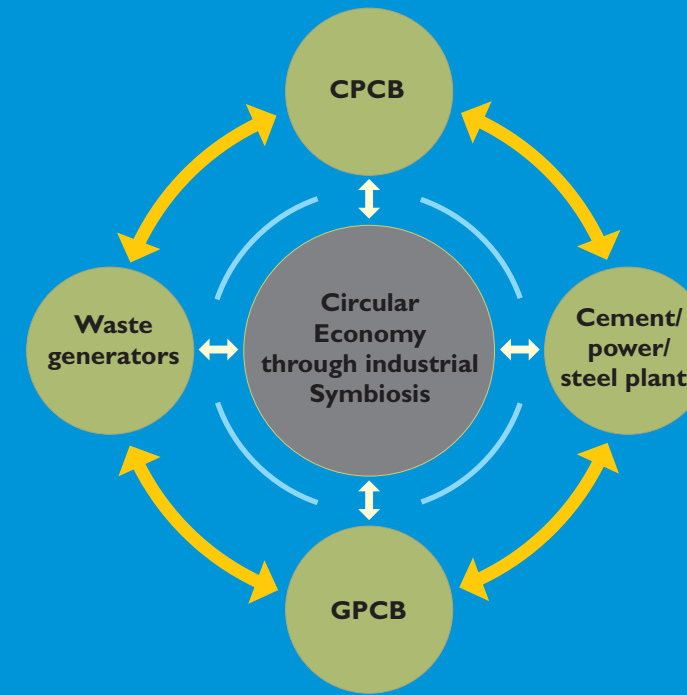
The applicant can register himself by submitting the application form with the registration fees as Stated under through a Cheque /DD in favour of "NFD: CEE A/C IPP".

Registration fees:

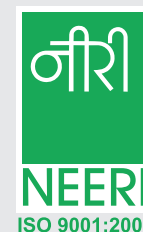
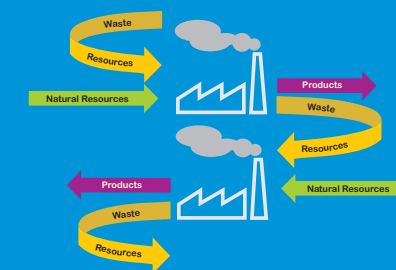
- A. For Professionals:
(Per participant)
Rs.3500/- (Rupees three thousand five hundred only)
- B. For Students:
(Per participant)
Rs.500/- (Rupees five hundred only)
For Students, the I-card is must for verification.

For communication/query/information about the programme:
 visit www.ceeindia.org or Send an email at nandan.kumar@ceeindia.org or parth.patel@ceeindia.org
 You can also call us on 079-26844764

Workshop on Hazardous Waste Management { Turning Waste into Wealth }



Industrial Symbiosis



17th June 2016

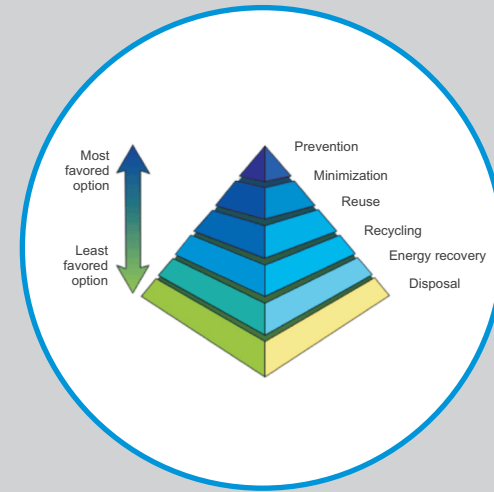
Programme:

For the growth of any developing country like India it has to aim for a sustainable industrial development with defined emphasis on a comprehensive hazardous waste management. As per Central Pollution Control Board, total hazardous waste generation in India in 2015 was 7.46 million metric tonnes from about 44,000 industries. For an effective HW management the Government of India has introduced a new version of Hazardous waste Rules on 4th April 2016 with a specific emphasis on coprocessing and utilisation of the waste. These rules are supposed to be "Environment and industry friendly" and in line with this Government's priority for ease of doing business and "Make in India" but with responsible concerns for sustainable development. For the first time, Rules have been made to distinguish between Hazardous Waste and other wastes which include; waste tyre, paper waste, metal scrap, and used electronic items, etc. and are recognized as a resource for recycling and reuse and exempted from permission for import. These resources supplement the industrial processes and reduce the load on the virgin resource of the country.

The salient features of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 include the following

- i. The ambit of the Rules has been expanded by including 'Other Waste'.
- ii. Waste management hierarchy in the sequence of priority of prevention, minimization, reuse, recycling, recovery, co-processing; and safe disposal has been incorporated.
- iii. All forms for permission, transportation and import/export amongst others, have been revised indicating a stringent approach for management of such wastes along with simplification of procedure

This programme intends to educate all stakeholders with the provisions of HW Rules-2016, coprocessing of hazardous waste in cement/steel/thermal power plants, technological innovations and advancements in HWM, risk assessment and disaster management of contaminated HW sites and methods of remediation, performance up gradation and effective O & M of TSDF and CHWIF, effect of exposure to HW on human health etc which will enlighten them with the latest developments in this matter. The developed countries like Switzerland and Norway have TSR as high as 47% and 45% respectively while India has only < 1% which is required to be raised through the use of AFR.



NEERI

The National Environmental Engineering Research Institute (NEERI) is a premier R&D organization in the domain of Environmental Science and Technology in India with its Center of operations at Nagpur. Its hazardous waste management division has done pioneering work in the area of Hazardous Waste Management and the focus of the research has always been addressing the contemporary issues, regulations and industrial requirements for the sustainable development. The different aspects of hazardous waste management covered and the expertise developed by NEERI are; hazardous waste characterization, process based waste minimization approach, waste reduction by advanced chemical treatment processes, reuse, recycle, scientific disposal, secure Landfill design and monitoring, vetting of the designs, modifications, assessment of impacts, safety and performance assessment for Common TSDF sites, development of protocols for the remediation of contaminated sites and many others in this field. NEERI has successfully completed projects of national and international reputes for many Industrial organizations, multinational companies, regulatory agencies, and government sectors and assisted Hon'ble courts of the country to issue appropriate directions in the field of environment.

CEE

Established in 1984 as a 'Centre of Excellence' under Ministry of Environment Forests and Climate Change, (MoEF&CC) Government of India, Centre for Environment Education (CEE) aims to improve public awareness and capacity building with the help of enforcing agencies through interaction with the stakeholders, to encourage the conservation and sustainable use of natural resources and environmental compliance leading to a better environment and improvement in the quality of life.

The IPP group in CEE is actively involved in organizing awareness, training and capacity building programmes in the field sustainable industrial development. Two programmes in the year 2015, one on Industrial waste water treatment and the other "AEROSPECTRUM 2015" on Air pollution: status, aspects/impacts and mitigation measures are successfully organized in August and December respectively so far. WETSKILLS 2015, an Indo-Dutch Skill development programme related to water and waste water aspects was organized for technical students and faculties of India and Netherlands.

An International conference on Education as a driver for Sustainable development goal (SDG) was organized by CEE with UNEP, UNESCO and Government of India. More than 750 delegates from 22 countries participated in this conference. CEE cultivates interpretation centers and mobile exhibitions it has also designed and developed an exhibition mounted on train called Science Express: Biodiversity Special (2012) and Climate Change Special (2015).

GPCB

Constituted under the provisions of the Water (Prevention and Control of Pollution) Act, 1974 Gujarat Pollution Control Board (GPCB) implements environmental legislations. The Board is bringing out tools for industries and citizens highlighting different schemes beneficial to them focusing on 4Rs, good governance, and initiatives for protection of environment, implementation of innovative technologies as well as promotion of R & D in environmental sector. Implementation of E-governance, formation of help desks and environmental clinics, promotion of waste to wealth concept, encouragement to ISO and Responsible Care (RC) certified industries, providing ETP operator training and an initiative to encourage public participation at large by constituting Paryavaran Rakshak award are the glaring examples of some of the state-of-the-art approaches taken by GPCB. The state of Gujarat has the largest common infrastructure facilities like CETPs, CMEEs, CSLFs, CHWIFs, CBMWTFs, CMSWDFs, common E-waste recycling facilities and common safe waste water disposal systems in the entire country. GPCB has ISO 9001:2008, ISO 14001:2004 and NABL accreditation for the laboratory certifications and has adopted the path of e-Governance as a tool for paradigm shift in environmental management.

Schedule

Workshop on Hazardous Waste Management: Waste to Wealth

*17th June, 2016,
At CEE Ahmedabad*

Registration and High Tea		9:00 am to 9:10 am	
Prayer		9:10 am to 9:15 am	
Address by –Director-CEE		9:15 am to 9:25 am	
Address by -Director- NEERI		9:25 am to 9:35 am	
Address by -Chairman/MS-GPCB		9:35 am to 9:45 am	
Sr No	Sessions	Speaker/Institute	Time
1	H W (MTM) Rules, 2016 and CPCB Guidelines on HW	Dr. Vinod Babu- Head HW Division, CPCB	09:45 am to 10:25 am
2.	Technological innovations and advancements in HWM	Dr. A N Vaidya, Senior Principal Scientist and Head, SHW Management Division NEERI	10:25 am to 11:05 am
3.	Significance, achievements and benefits of CO processing	Mr. Hardik Shah IAS, MS, GPCB	11:05 am to 11: 45 am
4	Recycling and reclamation of hazardous waste	Dr. R K Garg, Ex- Chairman of HW committee of MoEF&CC	11:45 am to 12:25 pm
5.	Status of hazardous waste Management in India	Dr. B. Sengupta, Ex. MS CPCB	12:25 pm to 1:05 pm
Lunch-1:05 pm to 2:00 pm			
6.	Performance up gradation and effective O& M of TSDF and CHWIF	Dr. Mahendra Patil, Senior Principal Scientist ,SHW Management Division NEERI	2:00 pm to 2:40 pm
7.	Risk assessment and disaster management of contaminated HW sites and methods of remediation	Dr. M. Parvez-Director -NPC	2:40 pm to 3:20 pm
8.	Design, construction and O & M of land fill sites	Dr. Manoj Datta, Head Civil Engineering Dept, IIT D	3:20 pm to 4:00 pm
High Tea(4.00 pm to 4.15 pm)			
9.	Effect of exposure to HW on human health	Dr. H G Sadhu, Sci; F - NIOH	4:15 pm to 4:40 pm
10	Waste to Wealth: utilization of hazardous waste as building materials	Mr. J.K.Vyas Head, (IPP) CEE	4:40 pm to 5:00 pm
Panel discussion (5:00 pm onwards)			
Development of EMP for effective Haz. Waste Management in the State		Experts from CPCB,GPCB,NEERI,CEE,IIT,NIOH Local bodies, NGOs, Academia, Collectorates, F&ED-GoG, Rep. of Industries and others	
Vote of Thanks			

Registration Form

(Workshop on Hazardous Waste Management: Waste to Wealth)

(Please fill up separate form for each participant)

Name.....Designation.....
Organization.....
Address.....
.....
Phone(s): Office..... Mobile.....
Email.....Fax.....
EducationalQualification.....

Fees:

A. For Professionals:

(Per participant)
Rs.3500/- *(Rupees three thousand
Five hundred only)

B. For Students:

(Per participant)
Rs.500/- *(Rupees five hundred only)
For Students, the I-card is must

* Through Cheque/DD to be drawn in favor of **“NFD: CEE A/C IPP”**

Date:

Signature of the participant

Important note:

The duly filled registration form, along with DD/Cheque, should be sent by post/courier/in person to.

Nandan Kumar,
Industrial Pollution Prevention Group,
Centre for Environment Education
Nehru Foundation for Development
Thaltej Tekra, Ahmedabad – 380054

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Mob: +919714839349
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For regular updates on training programmes, visit www.ceeindia.org or send an email to jk.vyas@ceeindia.org or nandan.kumar@ceeindia.org.



CEE
Centre for Environment Education

