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

Why should you participate?

MoEFCC 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

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

Phone Numbers:
(91)-79-26844764 and 2685002 to 05
(91)-79-26858010

Venue:
The Auditorium,
Centre for Environment Education (CEE)
Nehru Foundation for Development
Thaltej Tekra,Ahmedabad, 380 054
Gujarat
government has only < 1% which is required to be raised through the use of AFR. This programme intends to educate all stakeholders with the provisions of Hazardous waste 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 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.

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 are being used to supplement the industrial processes and reduce the load on the virgin resource of the country.

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 utilization 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.

The different aspects of hazardous waste management covered and the expertise developed by NEERI are; hazardous waste characterization, process based waste minimisation 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 others in this field. NEERI has successfully completed projects of national and international repute 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.

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 CIP 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 Netherland.

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 (2013).

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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 4E’s; 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, CMSWDF, CSE, CEE, 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 NLAP 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**

<table>
<thead>
<tr>
<th>Sr No</th>
<th>Sessions</th>
<th>Speaker/Institute</th>
<th>Time</th>
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<tbody>
<tr>
<td>1</td>
<td>H W (MTM) Rules, 2016 and CPCB Guidelines on HW</td>
<td>Dr. Vinod Babu- Head HW Division, CPCB</td>
<td>09:45 am to 10:25 am</td>
</tr>
<tr>
<td>2</td>
<td>Technological innovations and advancements in HWM</td>
<td>Dr. A N Vaidya, Senior Principal Scientist and Head, SHW Management Division NEERI</td>
<td>10:25 am to 11:05 am</td>
</tr>
<tr>
<td>3</td>
<td>Significance, achievements and benefits of CO processing</td>
<td>Mr. Hardik Shah IAS, MS, GPCB</td>
<td>11:05 am to 11:45 am</td>
</tr>
<tr>
<td>4</td>
<td>Recycling and reclamation of hazardous waste</td>
<td>Dr. R K Garg, Ex- Chairman of HW committee of MoEF&amp;CC</td>
<td>11:45 am to 12:25 pm</td>
</tr>
<tr>
<td>5</td>
<td>Status of hazardous waste Management in India</td>
<td>Dr. B. Sengupta, Ex. MS CPCB</td>
<td>12:25 pm to 1:05 pm</td>
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**Lunch-1:05 pm to 2:00 pm**

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<thead>
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<tbody>
<tr>
<td>6</td>
<td>Performance up gradation and effective O &amp; M of TSDF and CHWIF</td>
<td>Dr. Mahendra Patil, Senior Principal Scientist ,SHW Management Division NEERI</td>
<td>2:00 pm to 2:40 pm</td>
</tr>
<tr>
<td>7</td>
<td>Risk assessment and disaster management of contaminated HW sites and methods of remediation</td>
<td>Dr. M. Parvez-Director -NPC</td>
<td>2:40 pm to 3:20 pm</td>
</tr>
<tr>
<td>8</td>
<td>Design, construction and O &amp; M of land fill sites</td>
<td>Dr. Manoj Datta, Head Civil Engineering Dept, IIT D</td>
<td>3:20 pm to 4:00 pm</td>
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</table>

**High Tea(4.00 pm to 4.15 pm)**

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<thead>
<tr>
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<tbody>
<tr>
<td>9</td>
<td>Effect of exposure to HW on human health</td>
<td>Dr. H G Sadhu, Sci; F - NIOH</td>
<td>4:15 pm to 4:40 pm</td>
</tr>
<tr>
<td>10</td>
<td>Waste to Wealth: utilization of hazardous waste as building materials</td>
<td>Mr. J.K.Vyas Head, (IPP) CEE</td>
<td>4:40 pm to 5:00 pm</td>
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**Panel discussion (5:00 pm onwards)**

<table>
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<tr>
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<tbody>
<tr>
<td>Development of EMP for effective Haz. Waste Management in the State</td>
<td>Experts from CPCB,GPCB,NEERI,CEE,IIT,NIOH Local bodies, NGOs, Academia, Collectorate, F&amp;ED-GoG, Rep. of Industries and others</td>
</tr>
</tbody>
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**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..............................................................
Educational Qualification........................................................................................................

Fees:

A. For Professionals:

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

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(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, Tel: 079-26844764, 26858002-8005
Industrial Pollution Prevention Group, Fax: 079-26858010
Centre for Environment Education Mob: +919714839349
Nehru Foundation for Development Email: nandan.kumar@ceeindia.org
Thaltej Tekra, Ahmedabad – 380054

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