



Engineering Staff College of India

Autonomous Organ of The Institution of Engineers (India)

Old Bombay Road, Gachi Bowli, Hyderabad – 500 032. TS, India



ENVIRONMENT MANAGEMENT DIVISION

Continuing Professional Development Programme on
**Best Practices on Solid Waste Management for
Litter Free, Dump free, Dustbin free cities in align with
“Swachh Bharat Mission”**
23 – 25 January, 2017



(An ISO 9001:2008 Certified, AICTE & CEA Recognized Institution)

Centre for Promotion of Professional Excellence

Introduction:

Municipal Waste management is one of the major global concerns of today. Waste generation is on a steep rise with new waste streams emerging that are complex and difficult to handle. Poor collection and indiscriminate disposal of untreated waste have led to contamination and degradation of the natural resources and ecosystems and have posed risks to human health. Costs of remediation and restoration of natural resources are much higher than the investments on sound management of wastes.

One and half decade after the notification of the Municipal Solid Waste (MSW) Rules 2000, most Urban Local Bodies (ULBs) are today far from achieving compliance with the Rules. Today, mere compliance with MSW rules is however not sufficient. Managing wastes should no longer be limited to traditional 'end-of-pipe' waste management that focuses only on collection, treatment and disposal. For sustainability and effectiveness, waste prevention, avoidance or reduction is the key. It is important that links between 'waste management' and wider ambit of 'resource management' are understood and practiced. The concept of Integrated Solid Waste Management (ISWM) needs to be expanded to Integrated Waste to Resource Management (IWRM).

To address the above stated challenges and achieve compliance to MSW 2000 rules, urban areas require capacity building support to implement ISWM programmes and projects.

About 0.1 million plus towns and cities generate 42 million tonnes at present with per capita generation of waste varying from 200 gm to 600 gm per capita / day. It is estimated that per capita waste generation is increasing by 1.3%. This will result in annual increase of waste generation to around 5%. Uncontrolled dumping of wastes on the outskirts of towns and cities continues to be the norm, which has serious implications both for public health as well as environmental pollution, especially groundwater contamination. There are very few successful examples in the area of scientific treatment, disposal and energy generation from waste.

The training programme on “**Best Practices on Solid Waste Management for Litter free, Dump free, Dustbin free cities in align with “Swachh Bharat Mission”**” is designed to share the best practices of MSW case studies in urban sector. The programme is structured to offer both conceptual and practical skills, providing the latest knowledge on key aspects of ISWM in promoting and strengthening the service delivery in compliance with MSW 2000 rules.

Objective:

The objective of this programme is to give an in depth understanding on MSW management rules, methods for segregation at source, collection, transportation and study on disposal methods to select suitable options for community and environmental benefits and to develop a Litter free, Dump free and Dustbin free cities.

Course Coverage:

This programme is designed to cover broadly the following topics.

- ✓ Swachh Bharat Mission components on Solid Waste Management (SWM)
- ✓ MSW New Rules 2016
- ✓ Best Practices in segregation, collection, transportation, reuse and recycle options
- ✓ Modern and Scientific practices of handling MSW
- ✓ **Swachh Survekshan**
- ✓ PPP options on SWM
- ✓ Attaining ODF status model
- ✓ Effective recycling and reuse
- ✓ Energy recovery system and models (Bio-methanisation and power production)
- ✓ Use of GIS & GPS in Municipal Solid Waste Management (MSWM)
- ✓ Design, Construction and Monitoring of Sanitary landfill
- ✓ Field visit
- ✓ Case studies

Methodology:

Methodology of the programme includes class room Sessions with Lectures/discussions, with audio visual aid; bench - marked video shows, Chalk & Talk sessions, group discussions, case studies, debates, sharing of experiences, etc. All the sessions will be interactive, demanding active participation from all the participants.

Target Participants:

- ◆ Commissioners, Medical Health Officers, Municipal and public health engineers from Municipal Corporations, Municipal Administrative Departments, PHEDs, Town Planning Departments, Urban Local Bodies (ULBs), Development Authorities, Industrial Townships, Housing Boards
- ◆ Officers, Managers and Scientists from Pollution Control boards, Research Institutions and Non Govt Organizations
- ◆ Technology Developers, Energy Consultants and Private Organizations dedicatedly involved in MSW Management

Faculty:

Apart from the core internal faculty of ESCI, experienced professionals, field executives from municipal bodies, consultants involved in MSW management projects and subject specialists will be the faculty for this programme.

Programme Venue, Dates & Timings:

Venue:

Engineering Staff College of India (ESCI) Campus, Old Bombay Road, Gachi Bowli, Hyderabad. 500032. TS, India.

Dates:

23 – 25 January, 2017

Timings:

On the first day, Registration will commence at 0900 hrs. On all other days, the programme timings will be from 0945 - 1715 hrs with breaks in between for tea and lunch.

Course Director

M. SUBHA

Faculty & Head I/c

Environment Management Division, ESCI

Course Fee:

Rs. 16,000/- (Rupees Sixteen Thousand only) Residential Fee per participant. Fee includes course material, course kit, twin-sharing/single AC accommodation as per availability, breakfast, lunch, dinner, tea / coffee and snacks during the actual days of training programme.

Discounts

- ❖ **Non-Residential Fee-** 10% discount on course fee is allowed for non-residential participants.
- ❖ **Group Discount:** Additional 10% discount for three or more participants, if sponsored by the same organization.

(All discounts are applicable only if fee is received at ESCI before the commencement of the programme.)

Service Tax as applicable @ 15% is to be paid extra over and above the training fee, as training is also brought under the purview of Service Tax. **PAN Card No AAATT3439Q; Service Tax Registration No AAATT3439QST008** (under commercial training or coaching services – clause 65(105) (ZZC) of Finance act – 1994).

Programme fee is to be paid in favour of “**IE(I)-Engineering Staff College of India**” in the form of demand draft payable at Hyderabad.

Alternatively, the payment may be made by Electronic Fund Transfer (EFT) to ESCI - SB A/c No. 10007111201 with The SBI, PBB, Rajbhavan Road Branch, Khairatabad, Hyderabad-500004 by NEFT/ RTGS/ IFSC Code No. SBIN 0004159 – MICR No.500002075. While using EFT method of payment, please ensure to communicate us your company name, our invoice reference and programme title.

Online registration shall be available on ESCI website. To register manually, please send your nominations giving details of name, designation, contact address, email address, mobile nos, telephone and fax number of the participant along with the details of payment of fee, addressed to:

The Sr. Faculty,
Environment Management Division,
Engineering Staff College of India,
Old Bombay Road, Gachi Bowli, Hyderabad 500 032
Phone: Direct 040 6630 4120 to 4122 Fax : 040-23000336
Email: esci_emd@yahoo.co.in/em@escihyd.org

CERTIFICATE:

A certificate of participation will be awarded to each participant on conclusion of the programme.

GENERAL INFORMATION:

- ESCI encourages participants to present case studies from their respective organizations.
- For the convenience of outstation participants, ESCI will facilitate pick-up and drop from Airport / Railway Stations / Bus Stations, if travel plans are received atleast 3 days in advance along with mobile number by fax or email. The charges shall be paid by the participant directly to the Cab.
- ESCI provides complimentary accommodation and boarding to the participants one day before commencement (Check-in 1200 h) and one day after conclusion (Check-out 1200 h) of the programme duration. Overstay charges will be applicable as per ESCI rules (subject to availability of accommodation)
- Well developed Information Centre and Internet facilities are available to the participants.