INTRODUCTION

Municipal solid waste (MSW) treatment and disposal is a major problem in India. In India, a large fraction of waste is disposed in haphazard manner at landfill sites. Under Swachh Bharat Mission, many efforts are initiated by the Government to promote waste segregation in wet and dry fractions at household level. To establish sustainable and efficient waste management systems at centralized/ decentralized levels, understanding for the nature and properties of various waste constituents must be developed. The process fundamentals should be learned and the potential of various recycling and recovery methods such as wet waste composting, anaerobic digestion and thermal processes should be examined to implement such processes successfully at centralized as well as decentralized levels. The application of appropriate biological and thermal processes will reduce the land requirement for waste disposal substantially and assist the municipal corporations to meet the timelines set in Solid Waste Management Rules (2016).

The short course is designed to provide specialist understanding of the MSW properties and foremost waste recycling and recovery processes. In this course, primarily three elements of waste hierarchy, i.e., waste recycling, energy recovery and land disposal are covered.

BROAD OBJECTIVES

- To review MSW composition in India and nature of its constituents
- To discuss decentralized and centralized waste management systems
- To understand the fundamentals of biological as well as thermal processes used for MSW management
- To highlight major issues and problems associated with waste management techniques and their corrective measures
- To appraise and interpret the MSW data

COURSE CONTENTS

This short course will include following topics:
- MSW composition and properties
- Concepts and principles of potential biological and thermal processes
- Sanitary landfiling fundamentals
- Understanding possible environmental emissions from waste management facilities and their remedial measures
- Options for on-site waste processing

WHO MAY BENEFIT

- Officials from Municipal Corporations, Pollution Control Boards, Ministry of Urban Development and other related departments
- Companies/ organizations working in MSW management,
- Academicians involved in teaching and/or research activities in this area

At the end of the course, the participants will appreciate fundamentals and potential of various waste recycling and energy recovery treatment technologies. It is expected that the improved analysis and interpretation of waste data will facilitate the decision makers for better selection of waste management processes.

BOARDING & LODGING

Accommodation on twin sharing basis may be arranged in Institute Guest House (subject to availability) for a limited number of participants on payment as per actual and with advance request. Information on off campus accommodation is available please click here

FACULTY

The teaching faculty constitutes experts from IIT Bombay.

VENUE FOR CLASSES

Classes will be held in Seminar Hall of Institute Guest House, IIT Bombay.

LECTURE NOTES

To fully understand the objectives of the course, the lecture notes/handouts will be made available at the time of registration at IIT Bombay.

DATE & TIME OF REGISTRATION:

COURSE FEE

- For professionals from Private organizations and industries: 18880/- per participant (inclusive 18% GST)
- For Academicians/ Government professionals: 14160/- per participant (inclusive 18% GST)
- For Students (only few seats): 9440/- per participant (inclusive 18% GST)

The course fee includes course material, working lunch and coffee/tea.

The demand draft may be drawn in favour of "The Registrar, IIT Bombay - CEP Account". Please note that no income tax is to be deducted at source from the course fee, as IIT Bombay is exempt from the same.

Completed Registration form (Typed) should be sent to Course coordinator:

Prof. Anurag Garg (Coordinator)
Associate Professor
CESE, IIT Bombay, Powai
Mumbai
Ph. No.: 022-25767861
E-mail: a.garg@iitb.ac.in

Deadline for submitting application: 17 November, 2017
Notification of acceptance: 24 November, 2017

- For additional copies of the registration form, please use a photocopy or type in the format given.
- Incomplete application forms will not be entertained.

For further details: http://www.iitb.ac.in/~cep/
REGISTRATION FORM

CEP Course on
Integrated Municipal Solid Waste Management: Recycling, Recovery and Disposal Concepts
December 05 - 06, 2017

NAME (BLOCK LETTERS): ________________________________________________
_________________________________________________

Gender: M / F

DESIGNATION: _______________________________________________________

ORGANIZATION: _______________________________________________________

MAILING ADDRESS: ___________________________________________________
_____________________________________________________________________
_____________________________________________________________________

TELEPHONE: ___________________________ (O) ______________________ (R)

FAX: ___________________________ MOBILE: ___________________________

EMAIL: _______________________________________

QUALIFICATIONS: _______ EXPERIENCE: _______ Yrs.

IIT Guest House accommodation required?* YES / NO

PAYMENT: D.D. No.: ___________ Dt. ___________ Rs. ___________

[Demand draft should be drawn in favour of "Registrar, IIT Bombay (CEP A/c)"]

Date: ___________________________ Signature of Applicant

*Guest House (if available) bill to be paid directly by participant.

PHOTOCOPY ADDITIONAL COPIES OF THIS FORM, IF NEEDED)