



Engineering Staff College of India

Autonomous Organ of The Institution of Engineers (India)

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



ENVIRONMENT MANAGEMENT DIVISION

Continuing Professional Development Programme on
**Bio Medical Waste Management -
Handling and Safe Disposal Options
with New Rules 2016**

01 – 03 August, 2018



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

Centre for Promotion of Professional Excellence

INTRODUCTION:

Bio Medical Waste Management is a crucial need in the country today. There is an increasing concern about harmful effects of biomedical waste generated by health care facilities. Bio-medical waste is infectious in nature. Inadequate management of biomedical waste can be associated with risks to healthcare workers, patients, communities and their environment as hospitals are located at prime areas of towns and cities. All these years, biomedical waste was being disposed along with municipal waste, unaware of its ill effects on environment. Due to rising legal and social concern, Ministry of Environment and Forest (MoEF) have framed separate rules for safe disposal of Municipal solid waste and Bio-medical waste (BMW).

Implementation of biomedical waste management rules has posed a new challenge to the hospital management. Many health care centres have not yet established standard practices for inventory and segregation of waste. There is a massive problem of bio-medical waste disposal as several hospitals collect the medical waste and dump them in open grounds rather than treating and disposing them in safe manner.

To ensure safe and proper disposal of biomedical waste, MoEF has notified Bio medical Waste (Management & Handling) Rules, 2016 under the Environment (Protection) Act, 1986 to replace the earlier BMW (M&H) rules 1998 and the amendments thereof. These rules shall apply to all persons who generate, collect, receive, store, transport, treat, dispose or handle biomedical waste in any form. The new rules stipulate that irrespective of the quantum of biomedical waste generation, every occupier of an institution which includes a hospital, nursing home, clinic, dispensary, veterinary institution, animal house, pathological laboratory, blood bank shall apply for grant of authorization to the prescribed authority. The rules make hospital and owner of the medical waste treatment facility liable for all damages caused due to improper handling of waste.

OBJECTIVE:

The objective of this **3-day** programme is to provide information on scientific approach to the bio medical waste management by addressing the latest methods involved in safe handling and disposal options in line with the current and proposed legal & statutory requirements. The program focuses on the various provisions of Bio Medical Waste (Management & Handling) Rules, 2016 and its implications on the health care and associated sectors.

COURSE COVERAGE:

- ◆ Latest Indian Scenario - Bio medical Waste Management (BMWM)
- ◆ Hierarchy in Bio medical Waste Management
- ◆ Bio medical Waste Treatment Technologies
- ◆ BMW Treatment Equipment
- ◆ Bio medical Waste (Handling and Management) Rules 1998 and Amendments
- ◆ The Bio medical Waste (Management & Handling) Rules, 2016 and its Implications
- ◆ Standards for Treatment and Disposal of Bio medical Wastes
- ◆ Guidelines and Criteria to set up Common Bio medical Waste Treatment Facility (CBWTF)
- ◆ Audit of Bio medical Waste Management
- ◆ Role of Bio medical waste Generators, Authorities, Stakeholder and NGOs
- ◆ Occupational safety and health standards for the waste handling workers
- ◆ Future Challenges for Bio medical Waste Management, Environmentally Sound Management Techniques
- ◆ Field Visit
- ◆ Case Studies and Group discussions

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:

This programme will be useful to

- ◆ Doctors, Paramedical Staff, Nurses, Managers and Executives of all Hospitals, Nursing homes, health care units, Clinics, Pathological Labs, Blood Banks, animal houses, etc who generate, collect, receive, store, transport, treat, dispose or handle bio-medical waste in any form.
- ◆ Commissioners, Medical Health Officers, Engineers and Managers of National Rural Health Mission, Municipal bodies, public health engineering departments, urban authorities and townships.
- ◆ Environmental Officers, Scientists, Professionals from Pollution Control Boards, Research Institutes, Consultants and NGOs involved in BMW management.

FACULTY:

Apart from the core internal faculty, experienced professionals and committee members of regulatory boards, Ministries, Medical professionals in charge for BMW management, experts from Common Bio - medical Waste Treatment Facility (CBWTF) & Technology Developers will be delivering the lively lecture with practical knowledge & case study.

PROGRAMME VENUE, DATES & TIMINGS:

Venue:

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

Dates:

01 – 03 August, 2018

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

Dr. M. SUBHA

Sr. 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.)

GST @ 18% is to be paid extra over and above the training fee.

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:

Dr. M. Subha
Sr. Faculty & Head I/c
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.