



# 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  
**Water Pollution Monitoring and Modeling using  
Software Applications – Theory and Practicals**  
27 – 29 November, 2019



(An ISO 9001:2015 Certified, AICTE & CEA Recognized Institution)

**Centre for Promotion of Professional Excellence**

## **Introduction :**

Environmental impact assessment is a decision-making planning tool used to systematically identify, predict, evaluate, and mitigate potential impacts of a current or proposed project on the environment and on society. The main purpose of environmental impact assessment is to provide information to planners and decision-makers so that they can determine the best solution that minimizes biophysical, social and other significant effects of the project prior to major decisions being taken and commitments made.

Water pollution analysis, monitoring and modeling, both for surface as well as below ground is an important component in EIA studies.

As everybody is aware, the various schemes of government insist on water conservation, pollution prevention, water reuse. To strengthen further the knowledge and skills level of participants and the organization, ESCI is planning to conduct this 3 day programme on Water Pollution Monitoring and Modeling using Software Application.

## **Objective :**

- To understand the Water Pollution aspects and its analysis with standardized method.
- To emphasize on Water Pollution monitoring and Modeling with hands-on software practice.
- To Frame water pollution prevention and conservation plan.

## **Course Content :**

The programme is designed to cover the following topics:

- EIA – Process and Procedures with latest amendments as per MoEF Guidelines, Govt. of India
- Water Pollution -Rules and Regulation
- Water Quality Assessment
- Guidance for assessment of representativeness and reliability of baseline environmental attributes for water (surface and ground) and waste water characterization.
- Criteria for selection of sampling locations, type of samples and parameters for surface water, ground water and effluents.
- Water Pollution Monitoring and modeling
- Water pollution prevention plan
- Software demonstration and Hands-on Practice
- Waste Water Treatment Technologies and Management
- Case studies, Group discussion

## **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 experience, etc. All the sessions will be interactive, demanding active participation from all the participants.

## **Target Participants:**

This course is useful for engineers and managers working in the areas of project formulation including Environment and Forest clearances in Public and Private Sectors, Government Departments (undertaking Development Projects), Regulatory Boards, Consultancy firms, R&D & Educational Institutions, NGOs etc. Engineers & Executives involved in Water Pollution Monitoring and Modeling from different sectors can also attend the programme.

**Faculty :**

Apart from core internal faculty, experienced professionals associated with Water Pollution Monitoring and Modeling, Experts from MoEF, Pollution Control Boards, Field experts, EIA consultants and subject specialists involved in EIA clearance process.

**Programme Venue, Dates & Timings:****Venue:**

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

**Dates:**

**27 – 29 November, 2019**

**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](mailto:esci_emd@yahoo.co.in)/[em@escihyd.org](mailto: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.