



# Engineering Staff College of India

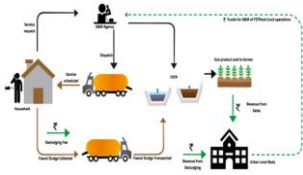
Autonomous Organ of The Institution of Engineers (India)  
ESCI Road, Gachi Bowli, Hyderabad – 500 032. Telangana, India



## Environment Management Division

CONTINUING PROFESSIONAL DEVELOPMENT PROGRAMME

# Faecal Sludge and Septage Management in the Framework of Swachh Bharat Mission (Urban/Rural)



04-06 August 2026

Interactive Sessions | Digital Learning | Assessments | 24/7 Experts Online/Offline Support

### Introduction

India's urban areas generate an estimated **120,000 tonnes of faecal sludge daily**, yet nearly two-thirds of households with toilets are not connected to sewer networks. A significant portion of this waste is discharged untreated into open land and water bodies, leading to contamination of drinking water sources and serious environmental and public health risks.

Under the Swachh Bharat Mission, India has made substantial progress in achieving Open Defecation Free (ODF) status across cities. The next phase, **ODF++**, focuses on **safe management, treatment, and disposal of wastewater and faecal sludge**. Currently, over 45% of urban households rely on **On-Site Sanitation (OSS)** systems, making **Faecal Sludge and Septage Management (FSSM)** a critical component of urban sanitation planning.

To address these challenges, the Government of India has introduced a comprehensive policy framework through the National Urban Faecal Sludge and Septage Management Policy, promoting safe collection, treatment, reuse, and disposal of faecal sludge. Urban Local Bodies (ULBs) are increasingly adopting decentralized solutions such as **Faecal Sludge Treatment Plants (FSTPs)** and preparing Detailed Project Reports (DPRs) for implementation.

In this context, the **Engineering Staff College of India (ESCI)** proposes a **capacity-building training programme** aimed at strengthening the knowledge and skills of stakeholders in planning, design, implementation, and **Operation & Maintenance (O&M)** of faecal sludge and septage management systems. The programme will also emphasize **regulatory compliance, sustainability, and resource recovery**, enabling cities to transition towards **safe, resilient, and environmentally sound sanitation systems**.

### Objectives

The objectives of this programme are to:

- Understand the fundamentals of **Faecal Sludge and Septage Management (FSSM)** for achieving city-wide sanitation
- Sensitize participants on **City Sanitation Planning and ODF++ requirements**
- Develop skills for **planning, design, and implementation** of septage collection, transport, treatment, and reuse systems
- Provide updates on **policies, guidelines, and regulatory frameworks**
- Address key challenges in implementing FSSM in urban areas
- Learn **co-composting and resource recovery techniques** from faecal sludge
- Promote **sustainable and decentralized wastewater management solutions**
- Enable peer learning through **case studies and experience sharing**
- Guide participants in preparing **city-level FSSM plans and business models**

### Course Coverage

#### Overview of sanitation sector, key statistics, and challenges

- Policies and guidelines under Swachh Bharat Mission
- National FSSM Policy and regulatory aspects

#### Technical Aspects of FSSM

- Design, construction, and O&M of FSTPs
- Septage collection, conveyance, and treatment systems
- Decentralized wastewater treatment solutions
- Retrofitting and upgrading existing sanitation infrastructure

#### Infrastructure & Operations

- Assessment of existing toilets and septic systems
- Design and improvement of septic tanks

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

**Centre for Promotion of Professional Excellence**

- Scheduled desludging and service planning
- Treatment technologies and options for septage

**Sustainability & Resource Recovery:** Co-composting of faecal sludge with organic waste, Reuse of treated sludge and bio-solids  
 . Energy and resource recovery approaches

**Institutional & Financial Aspects:** Governance and regulatory mechanisms, Monitoring, MIS, and reporting systems

- Revenue models and financial sustainability and Private Sector Participation (PPP models)
- Case studies and best practices
- Group discussions and experience sharing
- Practical insights from field implementations

### Methodology

Methodology of the programme includes lectures by expert faculties, case studies and practical demonstration and also Digital Learning through LMS Platform, Online Video Interactive sessions with Hand-on Practical, Lecture / Discussion with audio visual aid, bench marked video shows, chalk & talk sessions, online case studies, debates, sharing of experiences etc. All the sessions will be interactive, demanding active participation from all the members.

### Target Participants

This course is designed in consideration with the Engineers, Managers who are involved in planning, designing, analysing, and optimizing their sewerage and wastewater collection systems, Sewerage Schemes implementators and in charge of design, monitoring, O&M of Sewage Treatment Plants from Metro Boards, Public Health Engineering Departments, Municipal Corporations, Municipal Administration Departments, Development Authorities, Townships and other Govt. PSU departments etc.

Main target group for this training is middle level engineers/sanitary inspectors/ managers from ULBs, Water Supply and Sewerage Boards, PHED, UITs and officials of Project Implementation Units (PIU) or Project Management Units (PMU) and Elected Representatives of the ULBs.

### Programme Dates, Code & Timings

**Dates: 04-06 August 2026 (EM 6115)**

**Timings:** 10:00 AM Onwards. After Registration Participant can access **ESCI LMS platform** for digital Learning.

### Course Director

**Ms. Anita Aggarwal**

Faculty & Head I/c. Environment Management Division,  
 Phone: Direct 040 6630 4120, 4122 / Fax: 040-66304163  
 Mob: 8374362306; Email: [em@escihyd.org](mailto:em@escihyd.org)

### Faculty/Speaker Details

Apart from the core internal faculty, Experienced Professionals/Faculties/Sector experts will be delivering the lively lecture with practical knowledge & case study.

### Course Fee

- **Course Fee – Rs. 18,000/-\*** (Rupees Eighteen Thousand only) 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. 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)
- **Non-Residential Fee:** 10% discount on course fee is allowed for non-residential participants
- **Group Incentive:** 10% discount on course fee for five or more participants, if sponsored by the same Organization

\* **GST @18%** is to be paid extra over and above the training fee. **PAN Card No.** AAATT3439Q. **GST No:** 36AAATT3439Q1ZV, **HS No.:** 999293 (under commercial training or coaching services – clause 65(105) (ZCC) of Finance act – 1994).

Programme fee is to be paid in in favour of “**THE 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. PAN Card No AAATT3439Q; GSTIN No. 36AAATT3439Q1ZV**. While using EFT method of payment, please ensure to communicate us your company name, Contact details, our invoice reference and programme title.

### Registration

**Online registration** shall be available on ESCI **web portal:-** [www.escihyd.org](http://www.escihyd.org)

**To register manually** please send your nominations giving details of name, designation, contact address, email address, mobile no, telephone and fax number of the participant along with the details of mode of payment of fee, addressed to : **Course Director**

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

**Environment Management, Engineering Staff College of India**

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