Introduction
Safe water supply and hygienic sanitation facilities are the two basic essential amenities the community needs on a top priority for healthy living. Underground sewerage systems for the cities make very valuable contribution to the process of sustainable urban development. Good sewerage system will protect the environment; improve the community health and the quality of life. For proper design, operation and maintenance of sewerage systems, basic knowledge on planning, estimation of wastewater generation, flow characteristics, design principles of sewers, treatment and disposal methods are very essential. It is the social and civic responsibility of all the authorities to fulfill their obligations to maintain good health and hygiene conditions of the cities and towns.

In order to achieve this, we need to make sure that our professionals are well aware and enhanced with the design and estimation to improve the performance of the infrastructure that sustains our economy, environment and water supply & sewerage Projects.

Preparation of bid document and Procurement of sewerage scheme is a base document for implementing the water supply & sewerage Projects.

Objectives
To understand the concepts, process, methodology and detailed steps of Preparation of bid document and Procurement of sewerage scheme.

Course Coverage
This programme is designed to cover broadly the following topics.

1. Preparation of Bid Document:
   i. Outline, objective, existing system, gaps, rehabilitation requirements, service level improvement, sustainability and resilience
   ii. Revenue model, tariff plan, O&M plan
   iii. Practice session

2. Procurement of sanitation systems
   i. Objectives of Procurement and Principles of procurement
   ii. Preparation of bid docs: Scope, GCC, SCC, QA/QC, O&M, NCB, evaluation, entrustment, dispute resolution
   iii. Practice session

3. Management and construction supervision of sanitation systems
   i. Sewerage network and appurtenances
   ii. Pumping stations, STPs
   iii. Construction management, supervision, QA/QC and contract managements
   iv. Practice session

4. Group Presentations, Evaluation and Valedictory. All the groups will have to present for one major topic.
Methodology
Methodology of the programme includes classroom 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, 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

Programme Dates, Code & Timings
Dates: 27 – 29 September 2023 (EM 6093), Timings: 10:00 AM onwards.

Course Director
Ms. Anita Aggarwal
Faculty & Head I/c., Environment Management Division,
Phone: Direct 040 6630 4120 to 4122; Fax: 040-66304163
Mob: 8374362306; Email: em@escihyd.org
(or) Contact us at: Mr. GNM. Rao (Prog. Manager) – 9866431555.

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. 16,000/- (Rupees Sixteen Thousand only) (Residential) 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 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) (ZZC) of Finance act – 1994).

Programme fee is to be paid in in favour of “THE INSTITUTION OF ENGINEERS (INDIA) – 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. Kindly provide your organization GSTIN No. along with your nominations.

Registration
Online registration shall be available on ESCI web portal: 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.