

## About the Trainer



Mr Yogen Parikh during his illustrious career has held many important positions including as First Director for US AEP project of US Government. He retired as Associate Director – Environmental Engineering from Jacobs Engineering India Pvt. Limited. He has a Chemical Engineering Degree from USA. Mr Parikh, a President of Indian Environmental Association, Past Chairman of Environment, Health and Safety Committee of Bombay Chamber of Commerce and Industry and member of many professional organizations. He has more than 40 years' experience in all areas of Environmental Engineering including Environmental Impact Assessments, Water & Wastewater Treatment, Solid Waste Management, Water Distribution & Sewage Collection Networks, Sewage Treatment, Hazardous Waste Management, Risk Assessments, Environmental Audits, etc. With his vast experience in design and engineering of Effluent Treatment Plants, Environmental Impact Assessment Studies as well as Environmental Audits & Due Diligence, he is considered as one of the leaders in environmental consultancy. He has successfully conducted 50 training programs and trained more than 500+ people across the world.

## Training Agenda

### Process Design, Construction, Planning & Commissioning of WWTPs

<b>Day 1 – Friday 27 Nov'20</b>	
➤ <b><u>Introduction to Wastewater Treatment</u></b>	Basic understanding of Waste waters Basic concept of ETP & STP Designing- Thumb Rules Preliminary Treatment Processes – Screening, De-greasing Oil Removal, Equalization & Neutralization
➤ <b><u>Primary Treatment Processes</u></b>	Coagulation & Flocculation, Sedimentation Chemical Dosing Primary Clarifier
➤ <b><u>Secondary Treatment Processes</u></b>	Introduction to Biological Treatment processes Aerobic Treatment: Activated sludge process, Extended Aeration, MBBR, SBR, MBR, Nitrification & Denitrification Anaerobic Treatment: UASBR, CSTR
➤ <b><u>Tertiary Treatment Processes</u></b>	Filtration, Disinfection, etc. Chemical Treatment Membrane Processes: UF, RO Multiple Effect Evaporator Zero Liquid Discharge
➤ <b><u>Sludge Treatment</u></b>	Sludge Dewatering Systems Sludge Digestion
➤ <b><u>Question / Answer Session</u></b>	

**Day 2 – Saturday 28 Nov'20**

➤ **Planning for Execution & Commissioning**

Layout

Hydraulic Profile

Construction Drawings

Turnkey Execution or Split Contracts

Pre commissioning Checks

Commissioning

➤ **Trouble shooting**

Problems, Causes of Problems

and Remedial Measures

➤ **Question / Answer**