



Centre for Science and Environment

## Training Programme on Urban and Industrial wastewater Treatment

24 – 28 August, 2015

Day 1: August 24, 2015		
Time	Topics	Resource Person
10:15 – 10:30	Registration and introduction of participants	Swati Singh Sambyal, SRA, CSE
10:30 – 11:15	About CSE	Aditya Batra, SRA, CSE
<b>11.15 – 11.30 Tea</b>		
11:30 – 1.00	Overview on existing water laws and key provisions (Water Act, Water Cess, CRPC 133, EPA Act etc)	Dr. D. D Basu, Former Additional Director, CPCB, Advisor, CSE
<b>1.00 – 2.00 Lunch</b>		
2.00 – 2.45	<b>Faecal Attraction:</b> The Political Economy of Defecation and discussion	Film by CSE
<b>2.45 – 3.00 Tea</b>		
3.00 – 5.00	Industrial wastewater characteristics followed by class exercise on Industrial water accounting.	Dr. D. D Basu, Former Additional Director, CPCB, Advisor, CSE
Day 2: August 25, 2015		
09.00 – 11.30	Outline on unit operations on wastewater technologies	Sujit Kumar Singh, Programme Manager, CSE
<b>11:30 – 11:45 Tea</b>		
11.45 – 1.15	Class Exercise on design of Biological Treatment Plant (Activated sludge Process)	Rahul, Research Associate, CSE
<b>1.15 – 2.00 Lunch</b>		
2.00 – 3.00	Application and design criteria for SBR	R. K. Gupta, Independent Consultant
<b>3.00 – 3.15 Tea</b>		
3.15 – 5.15	Advanced wastewater treatment (RO & MEE), with case studies on ZLD	R. K. Gupta, Independent Consultant
Day 3: August 26, 2014		
09.30 – 01.00	Site visit to Ashok Nagar SBR Plant	Rahul Kumar, Research Associate, CSE
<b>01.00 – 02.00 Lunch</b>		
3.00 – 5.00	Site visit – Bottling Plant, Faridabad	Rahul Kumar, Research Associate, CSE
Day 4: August 27, 2015		
09.00 – 09.45	Introduction to Decentralised wastewater	Dr. Uday Bhonde, Deputy Programme Manager, Water Programme
09.45 – 10.45	Planning and design of DWWT components including class exercise	Ms. Chhavi Sharda, Research Associate, Water Programme



<b>10.45 – 11.15</b>	CSE DWWT visit	Dr. Uday Bhonde, Deputy Programme Manager, Water Programme
<b>11.15 – 12.15</b>	Clean your Act – Documentary	Ms. Chhavi Sharda, Research Associate, Water Programme
<b>12.15 – 1.30</b>	Do-it-Yourself Exercise and group presentation	Dr. Uday Bhonde, Deputy Programme Manager, Water Programme
<b>1.30 - 2.15 Lunch</b>		
<b>2.45 – 5:00</b>	Design of MBBR followed by class exercise	Rahul Kumar, Research Associate, CSE
<b>Day 5: August 28, 2015</b>		
<b>10.00 - 11.15</b>	Wastewater Management in Sugar and distillery industries including class exercise	Sujit Kumar Singh, Programme Manager, CSE
<b>11.15 – 11.30 Tea</b>		
<b>11.30 – 12.15</b>	Failure and success stories of textile clusters – Pali and Tirupur	Swati Singh Sambyal, Senior Research Associate, CSE
<b>12.15 – 1.00</b>	<b>Movie:</b> Best practices in wastewater management in Textile industry	
<b>1.00 – 2.00</b>	Trouble shooting – Biological Treatment System	Dr N. K. Verma, Former Additional Director, CPCB
<b>2.00 – 2.30 Lunch</b>		
<b>2.30 - 3.30</b>	Feedback and Certificate Distribution	Dr. D.D Basu, Former Additional Director, CPCB, Advisor, CSE

**Training Venue:**



**ANIL AGARWAL GREEN COLLEGE**

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