

## RIVER AND LAKE POLLUTION – STRATEGIES FOR CONSERVATION

### Day 1: September 24, 2012

10:00 am – 11:30 am	About the course and regulatory programme	Nivit Kumar Yadav, Centre for Science and Environment (CSE)
11:30 am – 11:50 am	Tea	
11:50 am – 1:30 pm	Concept of aquatic ecosystem	Dr D D Basu, Advisor CSE
1:30 pm – 2:30 pm	Lunch	
2:30 pm – 3:30 pm	Integrated water resource management <ul style="list-style-type: none"> <li>• Principles</li> <li>• Applicability with respect to river and lake protection</li> </ul>	Nitya Jacob, CSE
3:30 pm – 3:50 pm	Tea	
3:50 pm – 5:00 pm	Critical analysis: National Water Policy and National Water Mission	Bharat, CSE

### Day 2: September 25, 2012

10:00 am – 11:30 am	Issues and challenges of water quality of rivers	Nitya Jacob, CSE
11:30 am – 11:50 am	Tea	
11:50 am – 1:30 pm	Lake conservation in India	Bharat, CSE
1:30 pm – 2:30 pm	Lunch	
2:30 pm – 3:30 pm	Legal and institutional framework <ul style="list-style-type: none"> <li>– Status</li> <li>– critical Analysis</li> </ul>	Dr D D Basu, Advisor CSE
3:30 pm – 3:50 pm	Tea	
3:50 pm – 5:00 pm	Wastewater management – Experience of Japan	Takashi Sakakibara, JICA Expert

### Day 3: September 26, 2012

10:00 am – 11:30 am	National Water Quality monitoring <ul style="list-style-type: none"> <li>• Importance</li> <li>• Monitoring stations, frequency of sampling and parameters to be monitored</li> <li>• Results and gaps</li> </ul>	Dr R M Bhardwaj, Scientist D, CPCB
11:30 am – 11:50 am	Tea	

11:50 am – 1:00 pm	Pollution load assessment of riverine system	Dr D D Basu, Advisor, CSE
1:00 pm – 2:00 pm	Lunch	
<b>Field Visit:</b> Sewage Treatment Plant, Gurgaon		

#### Day 4: September 27, 2012

10:00 am – 11:30 am	Overall approach to sewage and wastewater management in Sweden	Robert Ljunggren, Senior Scientific Officer, Swedish EPA
11:30 am – 12:00 pm	Tea	
12:00 pm – 1:30 pm	Inspection and monitoring of wastewater treatment plants	Robert Ljunggren, Senior Scientific Officer, Swedish EPA
1:30 pm – 2:30 pm	Lunch	
2:30 pm – 3:30 pm	Use of biotechnology in treating wastewater including bioremediation	Abhinav Srivastava, Devendra Pandey, Assistant Manager (Technical ) Enviro Way Bioscience Pvt. Ltd.
3:30 pm – 3:50 pm	Tea	
3:50 pm – 5:00 pm	Case study: Treatment of municipal waste water and industrial waste water of F&B, Dairy, Soya, Paper, Breweries, etc	Abhinav Srivastava, Devendra Pandey, Assistant Manager (Technical ) Enviro Way Bioscience Pvt. Ltd

#### Day 5: September 28, 2012

10:00 am – 11:30 am	Advance sewage treatment plant for removal of nutrients	Robert Ljunggren, Senior Scientific Officer, Swedish EPA
11:30 am – 11:50 am	Tea	
11:50 am – 1:30 pm	Decentralised wastewater management	Swati, CSE
1:30 pm – 2:30 pm	Lunch	
2:30 pm – 3:30 pm	Group discussion: Strategies for river and lake conservation	Sunita Narain, Director General, CSE Dr D D Basu, Advisor, CSE Nitya Jacob, CSE Robert Ljunggren, Senior Scientific Officer, Swedish EPA
3:30 pm – 3:50 pm	Tea	
3:50 pm – 4:30 pm	Feedback session	