

**National Minimum Training Programme  
on  
Compliance, Monitoring and Enforcement  
(July 2-28, 2012)**

**2/7/2012, Monday**

<b>Time</b>	<b>Topics</b>	<b>Speaker</b>
10:30 am – 11:00 am	Registration	
11:00 am – 11:15 am	Tea	
11:15 am – 12:00 pm	About Regulatory Training Programme	Nivit Kumar Yadav, CSE
12:00 pm – 1:30 pm	Interaction with participants about their expectation of this course	Nivit Kumar Yadav, CSE Dr B Sengupta, Former Member Secretary, Central Pollution Control Board (CPCB)
1:30 pm – 2:30 pm	Lunch	
2:30 pm – 3:30 pm	About CSE	Aditya Batra
3:30 pm – 3:45	Tea	
3:45 pm – 5:00 pm	Environmental challenges in India	Chandra Bhushan, Deputy Director General, CSE

**3/7/2012, Tuesday**

10:00 am – 11:30 am	Key provisions of Water Act, success stories and problems associated with Water Act	Nivit Kumar Yadav, Deputy Programme Manager, CSE
11:30 am – 11:50 am	Tea	
11:50 am – 1:30 pm	Key provisions of Air Act, success stories and problems associated with Air Act	Dr B Sengupta, Former Member Secretary, CPCB
1:30 pm – 2:30 pm	Lunch	
2:30 pm – 3:30 pm	Evidence collection and legal sample collection under water act, Protocol for prosecution under water act	Dr V N Rayudu, Deputy Director - Labs (Rtd), Tamil Nadu Pollution Control Board
3:30 pm – 3:50 pm	Tea	
3:50 – 5:00 pm	Evidence collection and legal sample collection under air act, Protocol for prosecution under air act	Dr V N Rayudu, Deputy Director - Labs (Rtd), Tamil Nadu Pollution Control Board

**Day 3: 4/7/2012, Wednesday**

10:00 am – 11:15 am	Landmark judgement and some success stories under various environmental laws	Dr V N Rayudu, Deputy Director - Labs (Rtd), Tamil Nadu Pollution Control Board
11:15 am – 11:30 am	Tea	
11:30 am – 1:30 pm	Environment Protection Act - 1986, various rules under EP Act, implementation of EP Act 1986 through various agencies.	Dr B Sengupta, Former Member Secretary, CPCB
1:30 pm – 2:30 pm	Lunch	
2:30 pm – 3:30 pm	Environment Impact Assessment	Swati Singh Sambyal, CSE
3:30 pm – 3:45 pm	Tea	
3:45 pm – 5:00 pm	Public Hearing	Sadia Sohail, CSE

**Day 4: 5/7/2012, Thursday**

10:00 am – 11:30 am	Protocol for prosecution under Air and water Act – Case studies on recent court	Ishwar Singh, Consultant (Law), MoEF
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	judgment	
11:30 am – 11:45 am	Tea	
11:45 am – 1:15 pm	EP Rules – Hazardous Waste Management, key objectives and provisions	Dr B Sengupta, Former Member Secretary, CPCB
1:15 pm – 2:30 pm	Lunch	
2:30 pm - 3:00 pm	Class exercise: Protocol for inspection of industries	Dr B Sengupta, Former Member Secretary, CPCB
3:00 pm – 3:30 pm	Presentation by participants	
3:30 pm – 3:50 pm	Tea	
3:50 pm – 5:30 pm	Guideline and approach for inspection of Industries	Dr B Sengupta, Former Member Secretary, CPCB

**Day 5: 6/7/2012, Friday**

10:00 am – 11:30 am	E-Waste management – Applicable law and Best practices	Satish Sinha, Associate Director, Toxics Link
11:30 am – 11:45 am	Tea	
11:45 am – 1:15 pm	Bio Medical Waste Management - Applicable law and Best practices	Anu Agarwal, Consultant, Toxics Link
1:15 pm – 2:00 pm	Lunch	
2:00 pm onwards	Field Visit: Biomedical Waste Management at Sir Gangaram Hospital	

**7/7/2012, Saturday**

10:00 am – 2:00 pm	Field visit: Common Biomedical Waste Treatment Facility	
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**8/7/2012 Sunday**

**9/7/2012 Monday**

10:00 am – 11:15 am	Comprehensive Environmental Pollution Index (CEPI)	Sanjeev Kumar Kanchan, Programme Officer, CSE
11:15 am -11:30 am		
11:30 am – 1:30 pm	Class exercise: How to calculate CEPI score?	Sanjeev Kumar Kanchan, Programme Officer, CSE
1:30 pm – 2:30 pm	Lunch	
2:30 pm -5:00 pm	Class exercise: How to draft show cause notice?	Shilpa Chauhan, Advocate, Partner, Indian Environment Law Offices

**10/7/2012: Tuesday**

10:00 am – 11:30 am	Brief introduction to small scale industries pollution potential, treatment options with case studies, clean technologies and waste minimization options	Dr B Sengupta, Former Member Secretary, CPCB
11:30 am – 11:50 am	Tea	
11:50 am – 1:30 pm	Vehicular Pollution Control to improve air quality in urban area	Dr B Sengupta, Former Member Secretary, CPCB
1:30 pm – 2:30 pm	Lunch	
2:30 pm – 4: 00 pm	Performance Evaluation of air pollution control equipments	Dr H B Mathur, Prof IIT Delhi (Rtd) and Distinguished Fellow,

	with reference to cyclone, ESP and baghouse	CSE
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**11/7/2012 Wednesday**

10:00 am – 12:30 pm	Municipal solid waste management: <ul style="list-style-type: none"> <li>– Applicable rules</li> <li>– Case study: Best management Practices</li> <li>– Landfill design: Performance evaluation of landfill site</li> </ul>	Lalita Joshi, Head Urban Environment, SENES Consultants Pvt Limited
12:30 pm – 1:30 pm	Lunch	
1:30 pm – 5:00 pm	Field Visit: Timarpur Okhla Waste to Energy plant	

**12/7/2012 Thursday**

10:00 am – 11:30 am	Cement : Pollution and pollution control and prevention	Sujit Kumar Singh, CSE
11:30 am -11:45 am	Tea	
11:45 am – 12:45 pm	Sugar, Distillery: Pollution and pollution control and prevention	Sujit Kumar Singh, CSE
12:45 pm – 1:30 pm	Textile: Pollution and pollution control and prevention	Sujit Kumar Singh, CSE
1:30 pm – 2:30 pm	Lunch	
14:30:00	Depart for Yamunagar	

**13/7/2012 - 14/7/2012**

<b>Field Visit: Ballarpur Industries Limited (Yamunanagar) – Pulp and Paper industry</b>
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**15/7/2012, Sunday**

**16/7/2012, Monday**

10:00 am – 11:00 am	Introduction about Sweden, EU and Sw. EPA	Ms Ylva Reinhard, Swedish EPA
11:00 am -11:30 am	Legislation on Industrial Pollution and the integrated approach	Mr Bo Jansson, Swedish EPA
11:30 am – 11:50 am	Tea	
11:50 am – 1:30 pm	Legislation on Industrial Pollution and the integrated approach	Mr Bo Jansson and Mr Åke Undén, Swedish EPA
1:30 pm – 2:30 pm	Lunch	
2:30 pm – 3:30 pm	The Swedish permitting Application&EIA	Mr Åke Undén, Swedish EPA
3:45 pm – 5:00 pm	The Swedish Pulp and Paper Industry. Comparison with EU BREF	Mr Bo Jansson, Swedish EPA

**17/7/2012, Tuesday**

10:00 am – 11:30 am	Q & A on the Swedish system vs the Indian system,	Mr Bo Jansson and Mr Åke Undén, Swedish EPA
11:30 am -11:50 am	Tea	
11:50 am – 1:30 pm	The Permit and Monitoring Programme	Mr. Bo Jansson, Swedish EPA
1:30 pm – 2:30 pm	Lunch	
2:30 pm – 3:30 pm	A Swedish Application example,	Mr. Åke Undén, Swedish EPA
3:30 pm – 3:45 pm	Tea	
3:45 pm – 5:00 pm	Class exercise on inspection	

**18/7/2012, Wednesday**

10:00 am – 11:30 am	Municipal Wastewater Treatment Plants,	Mr Bo Jansson, Mr Åke Undén, Swedish EPA
11:30 am -11:50 am	Tea	
11:50 am – 1:30 pm	Class exercise	
1:30 pm – 2:30 pm	Lunch	
2:30 pm – 3:30 pm	Green Growth	Ms Jennie Hokander, Swedish EPA
3:30 pm – 3:45 pm	Tea	
3:45 pm- 5: 00 pm	Economic instruments	Ms Jennie Hokander, Swedish EPA

**19/7/2012, Thursday**

10:00 am – 11:30 am	Economic instruments	Ms Jennie Hokander, Swedish EPA
11:30 am -11:50 am	Tea	
11:50 am – 1:30 pm	Impact assessment	Ms Jennie Hokander, Swedish EPA
1:30 pm – 2:30 pm	Lunch	
2:30 pm – 3:30 pm	Municipal Solid Waste Management	Ms Ylva Reinhard, Swedish EPA
3:30 pm – 3:45 pm	Tea	
3:45 pm – 5:00pm	Hazardous and E-waste Management	Ms Ylva Reinhard, Swedish EPA

**20/7/2012, Friday**

10:00 am – 11:30 am	Voluntary instruments	Ms Ylva Reinhard, Swedish EPA
11:30 am -11:50 am	Tea	
11:50 am – 1:30 pm	Communication	Mr Mats Kullberg, Swedish EPA
1:30 pm – 2:30 pm	Lunch	
2:30 pm – 3:30 pm	Class exercise on communication	

3:30 pm – 3:45 pm	Tea	
3:45 pm – 5:00pm	Class exercise on communication and summary of the week	

**21/7/2012: Saturday Off**

**22/7/2012: Sunday Off**

**23/7/2012: Monday**

10:00 am – 11:30 am	Wastewater treatment technologies	Deblina, CSE
11:30 am -11:45 am	Tea	
11:45 am – 1:30 pm	Introduction to Decentralised Wastewater Treatment (DEWAT) and reuse	Deblina, CSE
12:45 pm – 1:30 pm	Planning and design aspects of DEWAT	Deblina, CSE
1:30 pm – 2:30 pm	Lunch	
2:30 pm – 3:30 pm	Class exercise on planning and design aspects of DEWAT	Deblina, CSE
3:30 pm – 3:45 pm	Tea	
3:45 pm -	Movie Show: Clean your Act	

**24/7/2012: Tuesday**

10:00 am – 11:30 am	Bioremediation of contaminated soil and water	Swati Singh Sambyal, CSE
11:30 am -11:45 am	Tea	
11:45 am – 1:30 pm	About Treatment Storage Disposal Facility (TSDF), Faridabad	Rajat Gupta, GEPIL
1:30 pm – 2:30 pm	Lunch	
2:30 pm – 5:00 pm	Field Visit: Hazardous waste TSDF Faridabad	

**25/7/2012: Wednesday**

10:00 am – 12:30 pm	Ambient air quality <ul style="list-style-type: none"> <li>• Network design</li> <li>• Meteorology</li> </ul>	Dr Rajender Prasad, Chief Executive, Ecotech Instruments
12:30 pm – 1:30 pm	Lunch	
1:30 pm – 5:00 pm	Field Visit: Ambient air quality monitoring for PM10, PM 2.5, SO2, NOx and Ozone	

**26/7/2012: Thursday**

<b>Field Visit: NTPC Dadri</b>		
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**27/7/2012: Friday**

10:00 am – 11:30 am	Iron and Steel – Pollution, pollution control and prevention	Umashankar, Coordinator, CSE
11:30 am -11:45 am	Tea	
11:45 am – 1:30 pm	Zero effluent discharge from bulk drug industries and distilleries	Dr B Sengupta, Former Member Secretary, CPCB
1:30 pm – 2:30 pm	Lunch	
2:30 pm – 3:30 pm	Role of GIS and GPS in environmental management	Kanchan Kumar Aggarwal, CSE
3:30 pm – 4:30 pm	Class exercise: How to use GPS instrument and mapping of coordinates on google map	Kanchan Kumar Aggarwal, CSE
4:30 pm – 5:00 pm	Feedback session	
5:00 pm – 5:30 pm	Concluding session	Gita Kavarna, Executive Director, CSE