



Centre for Science and Environment
TRAINING PROGRAMME FOR ENVIRONMENTAL REGULATORS
COMPLIANCE, MONITORING AND ENFORCEMENT
September 2-28, 2013

Sep 2, 2013, Monday

10:00 – 10:30	Registration	CSE
10:30 – 11:00	About regulatory programme	Nivit Kumar Yadav, CSE
11:00 – 11:15	Tea	
11:15 – 12:00	About Centre for Science and Environment (CSE)	Sadia Sohail, CSE
12:00 – 1:00	Managing Information: an organisational asset <ul style="list-style-type: none"> • How information is gathered, organised, and used • Case study: India Environment Portal • CSE library visit 	Kiran Pandey, CSE
1:00 – 1:45	Movie: Source to Life	
1:45 – 2:30	Lunch	
2:30 – 4:00	Environmental Legislation in India with emphasis on water Act	Dr D D Basu, Advisor, CSE
4:00 – 4:15	Tea	
4:15 – 5:30	Water quality monitoring network – Indian experience	Dr R M Bhardhwaj, Scientist D, Central Pollution Control Board (CPCB)

Sep 3, 2013, Tuesday

10:00 – 11:00	Key provisions of Air Act, success stories and problems associated with Air Act	Dr B Sengupta, Former Member Secretary, CPCB
11:00 – 11:15	Tea	
11:15 – 12:00	How to design air quality network?	Dr D D Basu, Advisor, CSE
12:00 – 1:30	Class exercise	
1:30 – 2:30	Lunch	
2:30 – 4:00	Hazardous waste management and handling rules	Dr D D Basu, Advisor, CSE
4:00 – 4:15	Tea	
4:15 – 5:00	Class exercise	Dr D D Basu, Advisor, CSE

Sep 4, 2013, Wednesday

10:00 – 11:00	An introduction to biological treatment plant	B Datta, Consultant, ENC
11:00 – 11:15	Tea	
11:15 – 1:30	Design aspects of biological treatment plants	B Datta, Consultant, ENC
1:30 – 2:30	Lunch	
2:30 – 4:30	Site selection criteria for hazardous waste site	Nivit Kumar Yadav, CSE
4:30 – 4:45	Tea	
4:45 – 5:30	Class exercise: Site selection criteria for hazardous waste site	Nivit Kumar Yadav, CSE

Sep 5, 2013, Thursday

10 - 11	Design aspects of landfill	Dr N K Verma, Former Additional Director, CPCB
11 – 11:15	Tea	
11:15 – 12:15	Design aspects of incinerator	Dr N K Verma, Former Additional Director, CPCB
12:15 – 1:30	Checklist for inspection of secured landfill and incinerator	Dr N K Verma, Former Additional Director, CPCB
1:30 – 2:30	Lunch break	
2:30 – 4:30	How to grant consent under Water and Air Act?	Dr D D Basu, Advisor, CSE
4:30 – 4:45	Tea	

Sep 6, 2013, Friday

10 – 11:30	How to inspect industries under Water and Air Act?	Dr D D Basu, Advisor, CSE
11:30 – 11:45	Tea	
11:45 – 12:30	Policy overview of E-waste (Management and Handling) rules	Sadia Sohail, CSE
12:30 – 1:30	What SPCB needs to do to implement e-waste?	Dr D D Basu, Advisor CSE
1:30 – 2:30	Lunch break	
2:30 – 3:30	Inventorisation of e-waste	Nivit Kumar Yadav, CSE
3:30 – 3:45	Tea	
3:45 – 5:00	Class exercise on e-waste inventorisation	Nivit Kumar Yadav, CSE

Sep 7, 2013, Saturday

10 - 11	Evaluation of last week programme	Nivit Kumar Yadav, CSE
11 – 11:15	Tea	
11:45 – 1:30	Introduction to Biomedical Waste Rules	J C Babu, Environmental Engineer, CPCB
1:30 – 2:30	Lunch	

	Site visit to Common BMW facility/Hospital	
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Sep 8, 2013 - Sunday

Sep 9, 2013 - Monday

10 – 11:30	Municipal Solid Waste Management and Handling	Sadia Sohail, CSE
11:30 – 11:45	Tea	
11:45 – 1:30	Compliance, monitoring of MSW – Delhi a case study	Sanjeev Aggarwal, Scientist D, CPCB
1:30 – 2:30	Lunch	
2:30 – 3:30	Automatic water quality monitoring	Sanjeev Gogia, Scan India
3:30 – 3:45	Tea	
3:45 – 5:00	Site visit to automatic monitoring station	

Sep 10, 2013 - Tuesday

10 – 11:30	Vehicular pollution and urban air quality	Dr Anumita Roy Chowdhary, Executive Director, CSE
11:30 – 11:45	Tea	
11:45 – 1:30	Instrumentation of air pollution monitoring instruments	Dr Rakesh Agarwal, Managing Director, Envirotech
1:30 – 2:30	Lunch	
	Visit to air quality monitoring station	Envirotech

Sep 11, 2013 - Wednesday

10 – 11:30	Why EIA?	Swati Singh Sambyal, CSE
11:30 – 11:45	Tea	
11:45 – 1:30	Policy overview of EIA?	Dr B Sengupta, Former Member Secretary, CPCB
1:30 – 2:30	Lunch	
2:30 – 3:30	Comprehensive Environmental Pollution Index (CEPI)	Sanjeev Kumar Kanchan, CSE
3:30 – 3:45	Tea	
3:45 – 5:00	Class exercise: How to calculate CEPI?	Sanjeev Kumar Kanchan, CSE

Sep 12, 2013 - Thursday

10 – 11:30	How to get NABL Accreditation of laboratory and recognition of laboratory under E(P) Act	S D Makhijan, Former Director, CPCB
11:30 – 11:45	Tea	
11:45 – 12:30	How to ensure quality assurance and quality	S D Makhijan, Former Director,

	control of labs	CPCB
1:30 – 2:30	Lunch	
	Visit to CPCB trace organic	Dr C S Sharma, Scientist D and Incharge, CPCB

Sep 13, 2013 Friday

10 – 1:30	Soft skills development	Amit Baruah, CSE
11:30 – 11:45	Tea	
11:45 – 1:30	Introduction to Decentralised Wastewater Treatment Systems (DEWATS)	Swati Singh Sambyal, CSE
1:30 – 2:30	Lunch	
2:30 – 4:00	Class exercise on design aspects of DEWATS	Swati Singh Sambyal and Sadia Sohail, CSE
4:00 – 4:15	Tea	
4:15 – 5:00	Movie: Clean your Act	

Sep 14, 2013 – Saturday

10 – 11:30	Evaluation of last week programme	Nivit Kumar Yadav, CSE
11:30 – 11:45	Tea	
11:45 – 1:30	Environmental issues with textile and pulp and paper sector	V P Yadav, Scientist C, CPCB
1:30 – 2:30	Lunch	
2:30 – 3:30	Environmental management of mines	Swati Singh Sambyal, CSE

Sep 15, 2013 - Sunday

Sep 16, 2013 - Monday

10 – 10:45	Introduction about Sweden, EU and Sw. EPA	Ylva Reinhard, SEPA
10:45 – 11:30	Legislation on Industrial Pollution and the integrated approach	Bo Jansson, SEPA
11:30 – 11:50	Tea	
11:50 – 1:30	The Swedish Pulp and Paper Industry. Comparison with EU BREF	Bo Jansson, SEPA
1:30 – 2:30	Lunch	
2:30 – 3:30	The Swedish permitting application & EIA; including an example	Elisabeth Lindqvist, SEPA
3:30 – 3:45	Tea	
3:45 – 5:00	Voluntary instruments	Ylva Reinhard, SEPA

Sep 17, 2013 - Tuesday

10 – 11:30	Refineries in Sweden	Bo Jansson, SEPA
11:30 – 11:50	Tea	
11:50 – 1:30	Inspection and Self-monitoring	Elisabeth Lindqvist, SEPA
1:30 – 2:30	Lunch	
2:30 – 3:30	Inspection and Self-monitoring	Elisabeth Lindqvist, SEPA
3:30 – 3:45	Tea	
3:45 – 5:00	Class exercise on inspection	Ms Ylva Reinhard/Ms Elisabeth Lindqvist, SEPA

Sep 18, 2013 - Wednesday

10 – 11:30	Discussion on Swedish vs Indian legislation on Industrial Pollution	Mr Bo Jansson/Ms Elisabeth Lindqvist, SEPA
11:30 – 11:50	Tea	
11:50 – 1:30	Municipal Wastewater Treatment Plants	Bo Jansson, SEPA
1:30 – 2:30	Lunch	
	Study visit	

Sep 19, 2013 - Thursday

10 – 11:30	Municipal Solid Waste Management, including hazardous and e-waste management	Ylva Reinhard, SEPA
11:30 – 11:50	Tea	
11:50 – 1:30	Project planning	Mats Kullberg, SEPA
1:30 – 2:30	Lunch	
2:30 – 3:30	Communication	Mats Kullberg, SEPA
3:30 – 3:45	Tea	
3:45 – 5:00	Group exercise on waste	Ms Ylva Reinhard/Mr Mats Kullberg, SEPA

Sep 20, 2013 – Friday

10 – 11:30	Environmental Economics	Ficre Zehaie, SEPA
11:30 – 11:50	Tea	
11:50 – 1:30	Socio-economic Impact Analysis	Ficre Zehaie, SEPA
1:30 – 2:30	Lucnh	
2:30 – 3:30	Group exercise on policy instruments	Mr Ficre Zehaie/Mr Mats Kullberg/Ms Ylva Reinhard, SEPA
3:30 – 3:45	Tea	
3:45 – 4:45	Group exercise continues	Ficre Zehaie/ Mats Kullberg/ Ylva Reinhard, SEPA

4:45 – 5:00	Summary of the week	Ylva Reinhard, SEPA
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Sep 21, 2013 - Saturday

Depart for Ahmedabad, Gujarat

Sep 22, 2013 – Sunday

Reach Ahmedabad, Gujarat

Sep 23, 2013 - Monday

10 am – 1 pm	Visit a pharmaceutical plant
1 pm – 2 pm	Lunch
2 pm – 5 pm	Visit a chemical industry

Sep 24, 2013 - Tuesday

10 am – 1 pm	Visit a TSDF
1 pm – 2 pm	Lunch
2 pm – 5 pm	Visit a cement grinding unit

Sep 25, 2013 - Wednesday

10 am – 1 pm	Visit a textile mill
Depart for New Delhi	

Sep 26, 2013 – Thursday

1:30 - 2:30	Lunch	
2:30 – 4:30	Discussion and Preparation of site visit report	

Sep 27, 2013 – Friday

10 – 11:30	Excreta matters: Issues and challenges of water quality of rivers	Bharat Lal Seth, CSE
11:30 – 11:45	Tea	
11:45 – 1:00	Rain water Harvesting: A way to augment the water resources	Sadia Sohail, CSE
1:00 – 2:00	Lunch	
2:00 – 3:30	Movie: Rain Catchers	
3:30 – 3:45	Tea	
3:45 – 5:00	Life cycle assessment	Sanjeev Kumar Kanchan, CSE

Sep 28, 2013 – Saturday

10 – 12:00	Presentation by participants	
12:00 – 12:15	Tea	
12:15 – 1:30	Feedback session and certificate distribution	Dr D D Basu, Advisor, and Nivit Kumar Yadav, CSE
1:30 – 2:30	Lunch	

