



Centre for Science and Environment

Training Programme on Compliance, Monitoring and Enforcement

1 – 18 September, 2015

Day 1: 1st September, 2015		
Time	Topic	Speaker
9.30 – 10.00	Registration of Participants	Rahul Kumar, Research Associate, CSE
10.00 – 10.30	Introduction & Expectations from the course	Kankana Das, Deputy Programme Manager & Rahul Kumar, Research Associate, CSE
10.30 – 11.15	About Centre for Science & Environment	Aditya Batra, Programme Director, CSE
11.15 – 11.30 Tea		
11.30 – 12.30	Environment & Development	Chandra Bhushan Deputy Director General, CSE
12.30 – 1.30 Lunch		
1.30 – 2.15	Movie – Fecal Attraction	
2.15 – 3.00	The Water (Prevention & Control of Pollution) Act, 1974	Dr. D. D. Basu, Advisor, CSE
3.00 – 3.15	Discussion with participants on the problems/challenges, faced by them while implementing the Act	Moderator - Kankana Das Deputy Programme Manager & Rahul Kumar, Research Associate, CSE
3.15 – 3.30 Tea		
3.30 – 4.15	The Air (Prevention & Control of Pollution) Act, 1981	Dr. D. D. Basu, Advisor, CSE
4.15 – 4.30	Discussion with participants on the problems/challenges, faced by them while implementing the Act	Moderator - Kankana Das Deputy Programme Manager & Rahul Kumar, Research Associate, CSE
Day 2: 2nd September, 2015		
10.00 – 11.30	Environment Protection Act, 1986 and The National Green Tribunal Act, 2010	Videh Upadhyay Lawyer and Independent legal consultant
11.30 – 11.45 Tea (will be served in the lecture room)		
11.45 – 1.30	How to grant Consent	Dr. D. D. Basu, Advisor, CSE
1.30 – 2.30 Lunch		
2.30 – 4.30	SMEs – Compliance, monitoring and enforcement	Dr. B. Sengupta Former Member Secretary, CPCB
4.30 – 4.45 Tea		
Day 3: 3rd September, 2015		
10.00 – 11.15	How to Inspect an industry	Dr. D. D. Basu, Advisor, CSE
11.15 – 11.30 Tea		
11.30 – 12.30	Class Exercise: How to carry out an inspection	Dr. D. D. Basu, Advisor & Kankana Das Deputy Programme Manager, CSE
12.30 – 1.30 Lunch		



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1.30 – 3.00	Class Exercise: Consent Management	Dr. D. D. Basu, Advisor, CSE
3.00 – 3.15 Tea		
3.15 – 4.45	Environmental Good Practices - Cement & Power Plant followed by class exercise on resource requirement and pollution generation	Sujit Kumar Singh Programme Manager, CSE
Day 4: 4th September, 2015		
10.00 – 11.30	How to check performance evaluation of APCD (Cyclone, bag filter and ESP)	Mohan Patil, Director, FICCI
11.30 – 11.45 Tea		
11.45 – 1.00	Class Exercise on performance evaluation of APCD (Cyclone, bag filter and ESP)	Mohan Patil, Director, FICCI
1.00 – 2.00 Lunch		
2.00 – 3.00	E-waste (Management & Handling) Rules 2011 and new addition in draft rule 2015 Movie on e-waste handling & dismantling practices	Kankana Das Deputy Programme Manager, CSE
3.00 – 4.00	New media communication for awareness, influence and action	Kiran Pandey, Programme Director – Library & Information Management, CSE
4.00 – 4.15 Tea		
Day 5: 5th September, 2015		
9.30 – 11.30	Laboratory accreditation procedure	S. D. Makhijan, Former Director, CPCB
11.30 – 11.45 Tea		
11.45 – 12.30	Public participation in environmental compliance	Kankana Das Deputy Programme Manager, CSE
12.30 – 1.30	Class Exercise on public participation	Kankana Das Deputy Programme Manager, CSE
1.30 – 2.30 Lunch		
Day 6: 7th September, 2015		
9.30 – 10.30	Water bodies of India & its pollution status	R. M. Bharadwaj, Scientist E & In-charge, CPCB
10.30 – 10.45 Tea		
10.45 – 11.45	Overview on water accounting followed by class exercise on industrial water accounting	Rahul Kumar, Research Associate, CSE
11.45 – 1.30	Outline on unit operation on waste water treatment technologies	Sujit Kumar Singh Programme Manager, CSE
1.30 – 2.30 Lunch		
2.30 – 3.15	Movie – Failure and success story of textile cluster – Pali & Tirupur	
3.15 – 3.30 Tea		



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3.30 – 5.00	Case study on Environmental Good Practices – sugar, distillery, leather, textile and other industries, followed by class exercise on requirement of press mud for spent disposal	Sujit Kumar Singh Programme Manager, CSE
Day 7: 8th September, 2015		
9.30 – 10.30	Thumb rule and performance evaluation of biological treatment plant	Gaurav Gupta, Consultant Hyper Filtration Pvt. Ltd.
10.30 – 10.45 Tea		
10.45 – 11.45	Thumb rule and performance check of advanced waste water treatment plant (RO & ME)	Gaurav Gupta, Consultant Hyper Filtration Pvt. Ltd.
11.45 – 12.30	Movie on Pithampur	
12.30 – 1.15 Lunch		
1.30 – 5.30	Site visit to the ZLD Plant	
Day 8: 9th September, 2015		
9.30 – 11.00	Good practices in mine management with respect to air, water and noise pollution	Sujit Singh, Programme Manager, CSE
11.00 – 11.15 Tea		
11.15 – 12.30	Overview of Decentralized waste water treatment plant (DWWT) Visit to CSE's DWWT plant	Dr Uday Bhonde, Deputy Programme Manager and Ms Chhavi Sharda, Research Associate, CSE
12.30 – 1.30 Lunch		
1.30 – 5.30	Visit to SBR Plant, Noida	
Day 9: 10th September, 2015		
10.00 – 11.00	Hazardous Waste (Management, Handling & Transboundary) Rule 2008 and scope for compliance monitoring	Swati Singh Sambyal Senior Research Associate, CSE
11.00 – 11.15 Tea		
11.15 – 12.15	TSDF Sites in India & design aspects of new TSDFs	N K Verma Former Additional Director, CPCB
12.15 – 1.15 Lunch		
1.15 – 3.00	Class Exercise – Monitoring & inspection of TSDFs	N K Verma Former Additional Director, CPCB
3.00 – 3.15 Tea		
3.15 – 4.15	Ambuja Cement – Case study on waste co-generation in cement plant	Asha Kothari Deputy Programme Manager, CSE
Day 10: 11th September, 2015		
9.30 – 11.00	How to lay down air quality monitoring network	Rakesh Agarwal Technical Advisor, Rave Innovations
11.00 – 11.15 Tea		



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Time	Topic	Speaker
11.15 – 12.15	Bio medical Waste (Management & Handling) Rules 1998 and new addition in draft rule 2015 Movie – Best practices of bio medical waste management & handling	Kankana Das Deputy Programme Manager, CSE
12.15 – 1.15 Lunch		
1.15 – 2.15	Municipal Solid Waste (Management & Handling) Rules, 2000 and new addition in draft rule 2015 followed by case study	Asha Kothari Deputy Programme Manager, CSE
2.15 – 3.15	Class Exercise: How to do noting & drafting	Dr. D.D. Basu, Advisor, CSE
3.15 – 3.30 Tea		
Day 11: 12th September, 2015		
10.00 – 11.30	Recap of programme & appraised to Sweden/Norway regulators	Dr. D.D. Basu, Advisor, CSE
11.30 – 11.45 Tea		
11.45 – 12.30	Feedback and expectations from participants about the programme	Kankana Das Deputy Programme Manager & Rahul Kumar, Research Associate, CSE
12.30 – 1.30 Lunch		
Day 12: 14th September, 2015		
10.00 – 10.15	Introduction about Sweden, EU and Sw. EPA	Ms Ylva Reinhard
10.15 – 11.00	Environmental governance in Sweden	Ms Ylva Reinhard
11.00 – 11.45	Legislation on Industrial Pollution and the integrated approach	Mr Bo Jansson
11.30 – 11.50 Tea		
12.00 – 1.30	The Swedish Pulp and Paper Industry. Comparison with EU BREF	Mr Bo Jansson
1.30 – 2.30 Lunch		
2.30 – 3.30	The Swedish permitting application & EIA; including an example	Ms Elisabeth Lindqvist
3.30 – 3.45 Tea		
3.45 – 5.00	Group exercise on permitting	Mr Bo Jansson/Ms Elisabeth Lindqvist
Day 13: 15th September, 2015		
10.00 – 11.30	Refineries in Sweden	Mr Bo Jansson
11.30 – 11.50 Tea		
11.50 – 1.30	Mining industry in Sweden	Ms Ann-Marie Fällman
1.30 – 2.30 Lunch		
2.30 - 3.30	Group exercise on mining	Ms Ann-Marie Fällman
3.30 – 3.45 Tea		
3.45 – 5.00	Municipal Wastewater Treatment Plants	Mr Bo Jansson



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Day 14: 16th September, 2015		
Time	Topic	Speaker
10.00 – 11.30	Inspection and Self-monitoring	Ms Elisabeth Lindqvist
11.30 – 11.50 Tea		
11.50 – 1.30	General checklist of inspection	Ms Elisabeth Lindqvist
1.30 – 2.30 Lunch		
2.30 – 5.00	Study visit	
Day 15: 17th September, 2015		
10.00 – 11.30	Group exercise on inspection	Ms Elisabeth Lindqvist/Ms Ylva Reinhard
11.30 – 11.50 Tea		
11.50 – 1.30	Economic Instruments and Socio-economic Impact Analyses	Ms Kerstin Joyce
1.30 – 2.30 Lunch		
2.30 – 5.00	Study Visit	
Day 16: 18th September, 2015		
10.00 – 11.30	Municipal Solid Waste Management, including hazardous and e-waste management	Ms Ylva Reinhard
11.30 – 11.50 Tea		
11.50 – 1.30	Group exercise on waste	Ms Ylva Reinhard/Ms Elisabeth Lindqvist
1.30 – 2.30 Lunch		
2.30 – 3.30	Group exercise on Capacity assessment or Voluntary instrument	Ms Ylva Reinhard
3.30 – 3.45 Tea		
3.45 – 4.00	Summary of the week	Ms Ylva Reinhard