



Centre for Science and Environment

Training Programme on **CONTINUOUS EMISSION AND EFFLUENT QUALITY MONITORING SYSTEM FOR ENVIRONMENT PROFESSIONALS**

Venue: Anil Agarwal Environment Training Institute
(a Centre for Science and Environment initiative), Tijara, Rajasthan

15-19 JANUARY, 2018

PROGRAMME SCHEDULE

14th January 2018		
By 12:30	Participants arrival at CSE office	
12:30-13:30	Lunch at CSE	
13:30	Departure by bus to Anil Agarwal Environment Training Institute (AAETI)	
16:00	Arrival at AAETI	
16:00- 17:00	Room allotment to the participants	
17:00	Tea and snacks	
20:30	Dinner	
15th January 2018		
9:00-9:15	Registration	Vinay Trivedi, Senior Researcher, CSE
9:15-9:30	Welcome - About CSE - About Training programme - Purpose and expectation	Nivit Kumar Yadav Senior Programme Manager, CSE
9:30-11:00	Campus Tour – Green features of Anil Agarwal Environment Training Institute Tea	
11:00-11:30	CEMS & CEQMS - About CEMS and CEQMS - Implementation and Benefits - Implementation regime in US, EU and India - Best practices	Sanjeev K Kanchan Programme Manager, CSE
PM CEMS		
11:30- 13:00	Technology, Calibration, Operation & maintenance - Available technology options - Technology suitability and selection - Correct Installation - Calibration process - Maintenance - Experience from ground - Discussion and points to remember	Sankar Kannan National Manager, SICK India
13:00-14:00	Lunch	
14:00-16:00	Group exercise and presentation	Vinay Trivedi
16:00- 18:00	Product Demonstration Interaction with experts and product manufacturers Tea & snacks	

16th January 2018

GASEOUS CEMS

9:00-10:30	Technology, Calibration, Operation & maintenance <ul style="list-style-type: none"> - Available technology options - Technology suitability and selection - Correct Installation - Calibration process - Maintenance - Experience from ground - Discussion and points to remember 	Ranjit Roy National Sales Head Horiba India
10:30-11:00	Quality assurance of CEMS <ul style="list-style-type: none"> - Importance of quality assurance - Certification system - Performance test - Quality control 	Sanjeev K Kanchan
11:00-11:30	Tea	
11:30- 13:00	Regulatory aspects of online air pollution monitoring <ul style="list-style-type: none"> - Key points of PM CEMS and guidelines - Key points of gaseous CEMS and guidelines - Group Discussion/Q&A session 	J S Kamyotra Former Member Secretary and Director – CPCB
13:00-14:00	Lunch	
14:00-16:00	Group exercise and presentation	Vinay Trivedi
16:00- 18:00	Product Demonstration Interaction with experts and product manufacturers Tea & snacks	

17th January 2018

CEQMS

9:00-10:00	Regulatory aspects of online water quality monitoring <ul style="list-style-type: none"> - Key points of CEQMS guidelines - Points to remember - Group Discussion/Q&A session 	J S Kamyotra
10:00-11:00	Technology. Calibration and maintenance <ul style="list-style-type: none"> - Available technology options - Technology suitability and selection - Correct Installation - Calibration and maintenance - Points to remember - Discussion 	NEVCO Horiba NEXTJ
11:00-12:30	Product Demonstration & Interaction with experts and product manufacturers Tea	
12:30-13:00	Implementation challenges <ul style="list-style-type: none"> - Implementation challenges for CEMS and CEQMS - Survey findings - Improvement strategy 	Sanjeev K Kanchan
13:00-14:00	Lunch	
DATA ACQUISITION AND HANDLING		
14:00- 15:30	Data acquisition and transfer <ul style="list-style-type: none"> - Data acquisition and transfer framework - Data self-assessment - Regulatory requirement - Discussion and points to remember 	Sudheesh Narayanan CEO Knowledge Lens
15:30-16:00	Tea	
16:00- 18:00	Group exercise and presentation	Vinay Trivedi

18th January 2018**Guided industry visit**

- Departure by bus to site
- Presentation on industrial process, emission control and monitoring
- Practical exposure to CEMS , CEQMS
- Return to AAETI

19th January 2018

9:00-10:00	Self assessment of CEMS and CEQMS implementation <ul style="list-style-type: none">- Self assessment process- Checklist for CEMS and CEQMS- Checklist for data acquisition and handling- Group discussion	Sanjeev K Kanchan
10:00-11:00	Feedback session	
11:00-11:30	Tea	
11:30-12:00	CERTIFICATE DISTRIBUTION	
12:30-13:30	Lunch	
Lunch at AAETI & Departure to Delhi at 14:00		

NOTE

For arrival of participants (14 January, 2018)

- ✓ Participants need to arrive at CSE's main office (Tughlakabad Institutional Area) by their own
- ✓ Lunch will be served at CSE office
- ✓ The bus will depart from CSE office to AAETI
- ✓ Dinner and Night stay (double sharing) on 14th January 2018 will be arranged by CSE

For training period

- ✓ Double sharing accommodation, breakfast, snacks, tea/coffee, dinner will be arranged by CSE at AAETI campus during the training programme.

For Return (19 January, 2018)

- ✓ During return participants can choose to drop-off at Delhi Airport/Bus stop/ CSE office. The drop-off places in Delhi will be decided based on participants need.
- ✓ Participants can choose to take return flight or train at night (8pm onwards) of 19th January 2018
- ✓ Participants who want to stay overnight, need to make their own arrangements. CSE can help to find affordable hotel.



CONTACT:

For Registration:

Vinay Trivedi, Senior Researcher
Email: vinay.trivedi@cseindia.org
Mobile: +91-8404083785

Sugandha Arora, Programme Officer
Email: sugandha.arora@cseindia.org
Mobile: +91-9953588873

Logistics support:

Vikas Sharma, Deputy Manager (Admin)
Email: s_vikas@cseindia.org
Mobile: +91-9711594565/ 8860134393

Programme Coordinator:

Sanjeev K Kanchan, Programme Manager
Email: sanjeev@cseindia.org
Mobile: +91-8800855090

Training/Accommodation Venue:

Anil Agarwal Environmental Training Institute (AAETI)
Nimli, Alwar (Rajasthan)