

# CONTINUOUS EMISSION MONITORING SYSTEM: INTERNATIONAL EXPERIENCES

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**Day 3: 19th March 2016, Saturday**

Venue: Casuarina Hall, India Habitat Centre, New Delhi

Registration : 09:00-09:45

**Session 1 : 10.00 AM to 11:15 AM**

**Introduction to CEMS**

10:00-10:15	<b>Welcome and Introduction</b> Chandra Bhushan, Deputy Director General,, CSE
10:15-10:45	<b>Status of CEMS in India</b> J. S. Kamyotra, Scientist F (Director), CPCB
10:45-11:00	<b>Overview of Stakeholders Experiences</b> Sanjeev K. Kanchan, Dy. Programme Manager, CSE
11:00-11:15	<b>Overview of Continuous Emission Monitoring System (CEMS)</b> K. Karthikeyan, MS, TNPCB

**Tea Break 11:15-11:45**

**Session 2 : 11:45AM to 12:05 PM**

**Experiences from Other Countries**

**CHAIR:** Hardik Shah, Member Secretary, GPCB

11:45-12:05	<b>CEMS: Governance Framework in EU and the US</b> Lesley Sloss, International Energy Agency, Clean Coal Centre
12:05-12:25	<b>CEMS: Experiences from South Africa</b> Naushaad Haripersad, Manager, Clean Coal Technologies, ESKOM, South Africa
12:25-12:45	<b>Device Suitability and Selection</b> Ken Roberts, Business Development Manager-Combustion, PCME
12:45-01:05	<b>Predictive Emission Monitoring System (PEMS)</b> Günter Haberzettl, Product & Industry Manager, ABB Analytical Germany
01:05-01:30	<b>Discussion</b>

**Lunch 01:30-02:15**

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### Session 3 : 02:15PM to 03:30 PM

#### Calibration and Lab Empanelment

**CHAIR:** Chandra Bhushan, Deputy Director General, CSE

- 02:15-02:35 **Device Certification System**  
Dr. Chhemendra Sharma, Senior Principal Scientist, CSIR-National Physical Laboratory
- 02:35-02:55 **CEMS Device Calibration and Maintenance**  
Deborah Padwater, Strategic Industry Manager - Power, SICK-AG
- 02:55-03:15 **Lab Accreditation System**  
Avijit Das, TOM, NABL
- 03:15-03:30 **Discussion**

**Tea Break 03:30-04:00**

### Session 4 : 03:45PM to 05:00 PM

#### Data Acquisition and Compliance

**CHAIR:** K. Karthikeyan, Member Secretary, TNPCB

- 04:00-04:15 **Data Acquisition System**  
Mayank Chauhan, Co-founder & CEO, LogicLadder
- 04:15-04:30 **Compliance Challenges**  
Chirag Bhimani, Deputy Environment Engineer, GPCB (tbc)
- 04:30-04:50 **Compliance Enforcement on CEMS Data- Case Study**  
Thiru R. Dhanasekaran, Assistant Director, Care Air Centre, Tamilnadu Pollution Control Board
- 04:50-05:10 **Discussion**

### Session 5 : 05:10PM to 06:00 PM

#### Roadmap for CEMS Implementation : Way Ahead

**CHAIR:** A. K. Mehta, Chairperson, CPCB

- 05:10-05:30 **Summary and Recommendations**  
Sanjeev K. Kanchan, Dy. Programme Manager, CSE
- 05:30-05:45 **Way Ahead**  
A. K. Mehta, Chairperson, CPCB
- 05:45-06:00 **Concluding Remarks**  
Priyvrata Bhati, Programme Director, CSE
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