Training on
Continuous Emission Monitoring System: Inspection strategy
(18-19th January 2017)

Sanjeev K. Kanchan
Programme Manager- Environment Governance (Industry)
Centre for Science and Environment ,
41, Tughlakabad Institutional Area, New Delhi – 110062
Tel: 011-40616000, Extn.- 266  Mobile: +91-0-8800855090 Fax: 011-29955879

www.cseindia.org
CEMS started with CPCB’s direction in Feb 2014. Real time effluent quality monitoring started in March 2014.

Most of 2764 plants have already installed. Monitoring & reporting is yet to improve.

CSE carried stakeholders survey (with KSPCB, MPPCB) to understand the challenges in implementation.
Installation is still incomplete.

✔ Nearly 20% installation- one or other equipment such as camera, dust monitors etc. were missing.
✔ 15% of installation- not working/equipment failure.
✔ Another 15% claimed installation- no installation at site.

Many installations are wrong. No clear idea on where to install CEMS- which stack? Which location?

No clarity on suitable technology selection. Industries comply the direction; prefer cheaper devices irrespective to their suitability.

CSE’s survey: Challenges in Implementation
Real time monitoring device

Disturbance: Duct joining the stack

Disturbance: Bent and joining of two ducts

CSE's survey: installation of CEMS
CSE’s survey: installation of CEMS

Devices installed in dry effluent channel

Treated effluent going further for sprinkling
CSE’s survey: installation of CEMS
✓ Suitable technology selection
✓ Correct installations
✓ Quality assurance of CEMS
✓ Regular maintenance - calibration, zero and span
✓ Tamperproof data transfer validation and reporting

Knowledge and Skill is the missing key
Why training on CEMS: Inspection strategy?

- Inspection and identification of issues with CEMS installation
- Course correction of CEMS installation
- Capacity building for regulatory purpose
- Preparation for next stage of compliance enforcement

CSE’s initiative