



INTEGRATED ONLINE AND ONSITE TRAINING PROGRAMME ON

CONTINUOUS EMISSION AND EFFLUENT MONITORING SYSTEM

LAST DATE OF REGISTRATION 4 DECEMBER 2021

CSE has launched an integrated online and onsite training programme on CEEMS (Continuous emission and effluent monitoring system). The training programme will comprise of two parts: Basic learning (online platform) and Advanced learning (at our residential campus, AAETI). The course is designed to provide an overall understanding of the CEMS which includes theoretical knowledge via lectures from experts and firsthand experience through group exercises, discussions and case studies.

PROGRAM DESIGN

Part A: Basic learning (Online Platform), 7-15 December, 2021

- Includes session on CEMS and CEQMS introduction, pollution monitoring regulations in India and developed countries, PM CEMS- available technology options and correct selection of suitable technology, Gaseous CEMS- available technology options and correct selection of suitable technology and CEQMS available technologies and its assessment and CPCB guidelines for correct installation of CEMS and CEQMS.
- Conducted on Moodle Platform where participants will be provided with reading / audio-visual training material which they are expected to self-study. The course material will be for the duration of 2-3 hrs/day.
- Top performing participants (30 no) from online course will be invited for advanced course on scholarship.

Part B: Advanced learning (onsite), February 2-5, 2022

- Includes session on PM CEMS - correct installation, device operation and maintenance, calibration procedure, Gaseous CEMS- correct installation, device operation and maintenance, calibration procedure, CEQMS- correct installation, device operation and maintenance, calibration procedure, understanding of data acquisition and handling system, data interpretation and assessment, data tampering issue and how to check manipulation, CEMS guidelines and regulatory experience, CEMS certification status in India, CEMS audit methodology, field visit for hands on experience and various problem solving group exercises and discussions with experts.
- Conducted at CSE's residential campus, Anil Agarwal Environment Training Institute (AAETI) in Tijara, Alwar, Rajasthan

COURSE FEE

Part A (online): Rs 5000/-
(Indian participants)

\$100/-
(Non-Indian participants)

Part B (Onsite): Full scholarship for selected participants. The scholarship covers boarding & lodging costs and training kit fees. It does not include to & fro Delhi travel (from your respective location) costs. Only shortlisted participant will be informed.

WHO CAN APPLY

Professionals from industries, Environment laboratories, Regulatory Body, Academic institutions, Consultants, Environment engineers, Researchers and Students and others interested participants.

PARTICIPANTS WILL BE AWARDED THE CERTIFICATE OF COMPLETION

**For any query, kindly contact
Training Coordinator:**

Shreya Verma, Programme Officer,
Industrial Pollution Team

Email: shreya@cseindia.org

Mob: +91-8882084294

INTEGRATED ONLINE AND ONSITE TRAINING PROGRAMME ON

CONTINUOUS EMISSION AND EFFLUENT MONITORING SYSTEM

LAST DATE OF REGISTRATION 4 DECEMBER 2021

CSE has launched an integrated online and onsite training programme on CEEMS (Continuous emission and effluent monitoring system). The training programme will comprise of two parts: Basic learning (online platform) and Advanced learning (at our residential campus, AAETI). The course is designed to provide an overall understanding of the CEMS which includes theoretical knowledge via lectures from experts and firsthand experience through group exercises, discussions and case studies.

PROGRAM DESIGN

Part A: Basic learning (Online Platform), 7-15 December, 2021

- Includes session on CEMS and CEQMS introduction, pollution monitoring regulations in India and developed countries, PM CEMS- available technology options and correct selection of suitable technology, Gaseous CEMS- available technology options and correct selection of suitable technology and CEQMS available technologies and its assessment and CPCB guidelines for correct installation of CEMS and CEQMS.
- Conducted on Moodle Platform where participants will be provided with reading / audio-visual training material which they are expected to self-study. The course material will be for the duration of 2-3 hrs/day.
- Top performing participants (30 no) from online course will be invited for advanced course on scholarship.

Part B: Advanced learning (onsite), February 2-5, 2022

- Includes session on PM CEMS - correct installation, device operation and maintenance, calibration procedure, Gaseous CEMS- correct installation, device operation and maintenance, calibration procedure, CEQMS- correct installation, device operation and maintenance, calibration procedure, understanding of data acquisition and handling system, data interpretation and assessment, data tampering issue and how to check manipulation, CEMS guidelines and regulatory experience, CEMS certification status in India, CEMS audit methodology, field visit for hands on experience and various problem solving group exercises and discussions with experts.
- Conducted at CSE's residential campus, Anil Agarwal Environment Training Institute (AAETI) in Tijara, Alwar, Rajasthan

COURSE FEE

Part A (online): Rs 5000/-

(Indian participants)

\$100/-

(Non-Indian participants)

Part B (Onsite): Full scholarship for selected participants. The scholarship covers boarding & lodging costs and training kit fees. It does not include to & fro Delhi travel (from your respective location) costs. Only shortlisted participant will be informed.

WHO CAN APPLY

Professionals from industries, Environment laboratories, Regulatory Body, Academic institutions, Consultants, Environment engineers, Researchers and Students and others interested participants.

PARTICIPANTS WILL BE AWARDED THE CERTIFICATE OF COMPLETION

