



Centre for Science and Environment



जहाँ है हरियाली ।
वहाँ है खुशहाली ।।



Regulators Training on Continuous Emission Monitoring System: From Understanding To Implementation

6th - 10th February, 2017

Day 1: 6 February, 2017			
09:30 - 10:00 am	Registration		Kanika Bahel, Research Associate, CSE
10:00 - 10:30 am	Welcome & Introduction	<ul style="list-style-type: none">About CSEAbout Regulator Training Programme	Nivit Kumar Yadav, Sr. Programme Manager, CSE
10:30 - 11:00 am Tea			
11:00 - 11:30 am	Status of CEMS implementation and relevance of training	<ul style="list-style-type: none">CEMS implementation status in IndiaRelevance of training programmeProgramme agenda	Sanjeev K. Kanchan, Programme Manager, CSE
11:30 - 12:30 am	Particulate matter CEMS	Technology selection <ul style="list-style-type: none">Technology options and installationPoints to check for regulatorsDiscussion	Sanjeev K. Kanchan, Programme Manager, CSE
12:30 - 01:30 pm		Operation and maintenance <ul style="list-style-type: none">CalibrationZero and span check	
01:30 - 02:30 pm Lunch			
02:30 - 03:30 pm	Group exercise	Inspection checklist preparation for PM CEMS installation <ul style="list-style-type: none">Technology optionsInstallation-location and positionCalibration and maintenance	Kanika Bahel, Research Associate, CSE
03:30 - 04:00 pm Tea			
04:00 - 05:00 pm	Group presentation	PM CEMS-inspection checklist preparation	Sanjeev K. Kanchan, Programme Manager, CSE
Day 2: 7 February, 2017			
09:30 - 10:30 am	Gaseous CEMS	Technology selection <ul style="list-style-type: none">Technology options and installationPoints to check for regulatorsDiscussion	Angshuman Paul, Director, Adage Automation
10:30 - 11:00 am Tea			
11:00 - 12:00 am		Operation and maintenance <ul style="list-style-type: none">CalibrationZero and span check	Angshuman Paul, Director, Adage Automation
12:00 - 01:30 pm	Group exercise	Inspection checklist preparation for Gaseous CEMS installation <ul style="list-style-type: none">Technology optionsInstallation- location and positionCalibration and maintenance	Kanika Bahel, Research Associate, CSE
01:30 - 02:30 pm Lunch			

02:30 - 04:00 pm	Group presentation	Gaseous CEMS-inspection checklist preparation	Sanjeev K. Kanchan, Programme Manager, CSE
04:00 - 04:30 am Tea			
04:30 - 05:00 pm	Quality assurance and best practices	<ul style="list-style-type: none">• Certification and performance assurance• Best practices in CEMS	Sanjeev K. Kanchan, Programme Manager, CSE
Day 3: 8 February, 2017			
09:00 am onwards	Site visit	<ul style="list-style-type: none">• PM CEMS installations and operation & maintenance• Gaseous CEMS installation and operation & maintenance	Angshuman Paul, Director, Adage Automation Sanjeev K. Kanchan, CSE Programme Manager, CSE
Day 4: 9 February, 2017			
09:30 - 10:30 am	Effluent quality monitoring systems	Technology selection <ul style="list-style-type: none">• Technology options and installation• Points to check for regulators• Discussion	Amol Malode, Product Manager, Forbes Marshall Ajit Joshi, Divisional Manager, Forbes Marshall
10:30 - 11:00 am		Operation & maintenance <ul style="list-style-type: none">• Calibration• Zero and span check	Amol Malode, Product Manager, Forbes Marshall
11:00 - 11:30 am Tea			
11:30 am onwards	Site visit	<ul style="list-style-type: none">• Effluent continuous monitoring system installation and operation & maintenance	Amol Malode, Product Manager, Forbes Marshall Ajit Joshi, Divisional Manager, Forbes Marshall Sanjeev K. Kanchan, Programme Manager, CSE
Day 5: 10 February, 2017			
09:00 - 10:00 pm	Data acquisition & handling system	<ul style="list-style-type: none">• Understanding data acquisition and handling system• Existing scenario & challenges• Tampering issues- field experience• Points to check	Sudheesh Narayanan, CEO, Glens
10:00 - 10:30 am Tea			
10:30 - 12:00 am	Group exercise	<ul style="list-style-type: none">• Checklist preparation• Data analysis	Kanika Bahel, Research Associate, CSE
12:00 - 01:00 pm	Group presentation	<ul style="list-style-type: none">• Checklist preparation• Data analysis	Sanjeev K. Kanchan, Programme Manager, CSE
01:00 -01:30 pm	Certification distribution and feedback session		
Lunch			

Venue

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