



Madhya Pradesh Pollution Control Board

Environment Surveillance Centre



Paryawaran Parisar, E-5, Arera Colony, Bhopal -462 016 (M.P.)
Ph : 0755-2469180, E-mail : ercmppcb@nic.in Web : www.erc.mp.gov.in

No. 147 /HOPCB/ERC/2025

Bhopal, Dt. 03/09 /2025

To,

**The Regional Officer
M.P. Pollution Control Board
Bhopal/Indore/Gwalior/Guna/Jabalpur/Rewa
Sagar/Chhindwara/Singrauli/Satna/ Shahdol/
Ujjain/Mandideep**

Sub : Revised OCEMS Protocols for Calibration and Alerts generation.

Ref. : CPCB letter No. IT-11/11/2021-IT-HO/3989, dated 12.08.2025

As you are aware that all the 17 category of polluting industries and other target establishments are required to install online real-time monitoring systems under the MoEF's scheme of 'Self Monitoring of Compliance'. Majority of target industries have already established the required real-time monitoring systems and an in-house developed 'SMS alerts generation mechanism' is also in-place to regulate the stated provisions.

The Central Pollution Control Board has recently come out with revised protocol for the calibration of OCEMS, and the SMS alerts generation, which categorically specifies the frequency of calibration, performance test and the parameters that are to be considered by the industries under the revised protocol. The EPA recognized/NABL accredited laboratories are authorized to carry out this task details of which can be referred in the attached document.

In view of above you are directed to inform to all the target industries under your jurisdiction to strictly adhere to the revised OCEMS Protocols and inform the compliance status to this office.

Yours Faithfully,

Encl. : A/a.

(A.A. Mishra)
Member Secretary

Endt. No. 148 /HOPCB/ERC/2025

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Copy to:-

The Incharge, Central Laboratory, M.P. Pollution Control Board, Bhopal for information and needful action pls.

(A.A. Mishra)
Member Secretary

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Central Pollution Control Board

Revised OCEMS Calibration Protocol

July 2025

Parameter	Calibration/Calibration Check/Performance Testing Requirements	Description
Emission PM	<p>Initial: Initial calibration at the time of installation (by instrument supplier).</p> <p>Quarterly: Calibration Check (in-house), quarterly.</p> <p>Annual: Annual Performance Testing (by EPA Recognized/NABL Accredited lab).</p> <p>Incidental: Calibration after any major repair in the system, change of lamp, readjustment of the alignment.</p>	<p>The Continuous Emission Monitoring System for Particulate Matter (PM CEMS) shall ideally be calibrated against isokinetic sampling method at six samples under running load.</p> <p>Note: In case, deviation of the comparison values (dust factor) for O2 (two) consecutive monitoring is more than 10%, the system shall be recalibrated against isokinetic sampling method, if possible, at six samples under running load.</p>
Emission Gaseous	<p>Initial: Initial calibration at the time of installation (by instrument supplier).</p> <p>Fortnightly: Two Point (Zero and Span) Calibration Check (in-house), once in every fortnight.</p> <p>Three Months: Multi-point (at different concentration levels) Calibration (in-house), once every three months.</p> <p>Annual: Annual Performance Testing (by EPA Recognized/NABL Accredited lab)</p> <p>Incidental: Calibration after any major repair in the system, change of lamp, readjustment of the alignment.</p> <p>Note: Calibration shall include the whole CEMS System.</p>	<p>The instruments/analyzers for real time monitoring of gaseous emissions shall be calibrated with respect to their proper functioning, drift, linearity, detection limit and other relevant parameters, using standard methods and certified reference materials.</p> <p>Apart from certified gas cylinder-based audit, certified portable gas analyzers having NDIR/NDUV/FTIR, with proper sampling system, may also be used for calibration.</p>

Parameter	Calibration/Calibration Check/Performance Testing Requirements	Description
Effluent Temperature, pH	<p>Initial: Initial calibration at the time of installation (by instrument supplier).</p> <p>Fortnightly: Calibration Check (in-house), once in every fortnight.</p> <p>Annual: Annual Performance Testing (by EPA Recognized/NABL Accredited lab).</p> <p>Incidental: Calibration after any major repair in the system.</p>	<p>Temperature: In case, deviation of the comparison values for 02 (two) consecutive monitoring is more than +/- 1 Degree Celsius. The system shall be recalibrated from the calibrated thermometer.</p> <p>pH: In case, deviation of the comparison values for 02 (two) consecutive monitoring is more than +/- 0.2 from certified reference material, the system shall be recalibrated.</p>
Effluent BOD, COD, TOC, TSS	<p>Initial: Initial calibration at the time of installation (by instrument supplier).</p> <p>Monthly: Calibration check (in-house), once every month.</p> <p>Annual: Annual Performance Testing (by EPA Recognized/NABL Accredited lab).</p> <p>Incidental: Calibration after any major repair in the system.</p>	<p>BOD, COD, TOC, TSS: In case, deviation of the comparison values for 02 (two) consecutive monitoring is more than +/- 20% from lab results, the system shall be recalibrated.</p>