



File No. A-19014/43/06-UPC-I 4638

Date: 07/08/2020

To,

The Chairman,
Madhya Pradesh Pollution Control Board,
 Paryavaran Parisar, E-5 Arera Colony,
 Bhopal - 462016

Directions Under Section 18(1) (b) of the Water (Prevention and Control of Pollution) Act, 1974 for installation of Online Continuous Effluent Monitoring System (OCEMS) for self-surveillance of Sewage Treatment Plants.

WHEREAS, amongst others, under Section 16 of the Water (Prevention and Control of Pollution) Act, 1974, one of the functions of the Central Pollution Control Board (CPCB) constituted under the Water (Prevention & Control of Pollution) Act, 1974 is to coordinate activities of the SPCBs/PCCs and provide technical assistance and guidance to SPCBs/PCCs; and

WHEREAS, amongst others, under Section 17 of the Water (Prevention and Control of Pollution) Act, 1974, one of the functions of the State Pollution Control Boards (SPCBs) and Pollution Control Committees (PCCs), constituted under the Water (Prevention & Control of Pollution) Act, 1974, is to plan a comprehensive programme for prevention, control or abatement of pollution of streams and wells in the State/U.T. and to secure the execution thereof; and

WHEREAS, SPCBs and PCCs are empowered to prescribe stringent standards for discharge of environmental pollutants from industries including Sewage Treatment Plants (STPs) than those notified by the Central Government and ensure its compliance, under the Environmental (Protection) Act, 1986 and rules framed there under; and

WHEREAS, Central Pollution Control Board vide its letter No. B-29016/04/06PCI-1/5401 dated 05.02.2014 had already issued directions under section 18(1) (b) of the Water Act to the State Pollution Control Boards and Pollution Control Committees for directing 17 categories of highly polluting industries (such as Pulp & Paper, Distillery, Sugar, Tanneries, Power Plants, Iron & Steel, Cement, Oil Refineries, Fertilizer, Chloral Alkali Plants, Dye & Dye Intermediate Units, Pesticides, Zinc, Copper, Aluminum, Petrochemicals and Pharma Sector, etc.), Common Effluent Treatment Plants (CETP), Common Bio Medical Waste and Common Hazardous Waste Incinerators; for installation of online effluent quality and emission monitoring systems and;

WHEREAS, CPCB and SPCBs / PCCs have installed necessary software and hardware in their headquarters for centralized data collection, analysis and corrective actions and industrial sectors as mentioned in the above para have installed OCEMS and established connectivity with servers of CPCB and SPCBs / PCCs. The industrial units which have failed to install OCEMS and establish connectivity have been issued directions for closure; and

WHEREAS, STPs are operated by State Public Health Engineering Departments, Municipal Authorities and other State or City level Agencies; and

WHEREAS, STPs have been discharging environmental pollutants directly or indirectly into the ambient water bodies which pose constant threat to cause adverse effect on the water quality and SPCBs and PCCs are also required to ensure installation of sewage treatment facilities and their regular operation in the areas under their jurisdiction; and

WHEREAS, continuous monitoring is essential to regulate and minimize inspection of STPs on routine basis and also to inculcate habit of self monitoring mechanism by the STPs to ensure compliance of prescribed standards and transmit data of effluent compliance to SPCB/PCCs and CPCB on continuous basis. This can be achieved by installing online effluent monitoring devices; and

WHEREAS, Central Pollution Control Board (CPCB) has already issued directions to all the SPCBs / PCCs under Section 18(1) (b) of the Water (Prevention and Control of Pollution) Act, 1974 to ensure treatment and utilization of treated sewage vide letter no. A-19014/43/06-Mon dated 21/04/2015; and

WHEREAS, Central Pollution Control Board (CPCB) has also issued direction to the Municipal Commissioners / Chief Executive Officers of 46 Metropolitan Cities and 26 State Capitals on 09.10.2015 under Section 5 of the Environmental (Protection) Act, 1986 to ensure treatment and utilization of treated sewage and installation of Online Effluent Monitoring Systems; and

WHEREAS, CPCB has developed guidelines for Online Continuous Monitoring System for effluents on 07/11/2014; and

WHEREAS, CPCB has developed Standard Operating Protocol for Verification of Installation and Calibration of UV-Vis Dual Beam Scanning & Multipoint calibration mechanism technology based OCEMS (Effluent) used in Sewage Treatment Plants (STPs); and

WHEREAS, the ground truthing of the values indicated by the online devices need to be done before bringing them in public domain for proper interpretation and such measures need to be taken at the level of SPCBs/PCCs; and

WHEREAS for regulatory purposes and for purposes of actions to be taken against non-complying STPs, existing methods of sampling, analysis and related procedures under the existing statutes need to be continued.

NOW THEREFORE, in exercise of the powers conferred under section 18 (1) (b) of the Water (Prevention & Control of Pollution) Act, 1974 and keeping in view strengthening of monitoring mechanism for effective compliance through self-regulatory mechanism, SPCBs / PCCs are hereby directed to issue following directions to all Municipal Corporations OR concerned Body / Agency / Authority who is operating STP, for installation of OCEMS in following phase-wise manner;

1. All the STPs being operated in Million Plus Cities by Municipal Corporations or concerned Body shall install 'Online Effluent Monitoring Systems' for the parameters namely pH, TSS, COD, BOD and Flow Meter before 31.01.2021.
2. STPs being operated in remaining cities and towns by Municipal Corporations, Municipalities, Local Bodies or any other concerned Body shall install 'Online Effluent Monitoring Systems' for the parameters namely pH, TSS, COD, BOD and Flow Meter before 31.07.2021.
3. STP Operating Authority shall connect and upload the online effluent monitoring data with the servers of the concerned SPCB/PCC and CPCB in a time bound manner but not later than timelines as mentioned in 1 and 2 above, as the case may be.
4. STP Operating Authority shall ensure regular maintenance and operation of the online system with temper proof mechanism with facilities for calibration;
5. STP operator should follow guidelines prescribed by CPCB for Online Continuous Monitoring System for effluents and Standard Operating Procedure (SOP) for Verification of Installation and Calibration of UV-Vis Dual Beam Scanning & Multipoint calibration mechanism technology based OCEMS (Effluent) used in STPs.

The Madhya Pradesh Pollution Control Board shall acknowledge receipt of these directions and communicate action taken report once every 30 days with first report submitted within 30 days from the date of issue of these directions.


[Shiv Das Meena]
Chairman