



SPEED POST

File No. B-190200/STP-MON/WQM-II/CPCB/2020-21 ५५९ Date: 08/12/2020
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To,
Managing Director,
Peyjal Nigam, Uttarakhand (PJNUK)
11, Mohini Road, Rajendra Nagar
Dehradun - 248001

DIRECTIONS UNDER SECTION 5 OF THE ENVIRONMENT (PROTECTION) ACT, 1986 FOR INSTALLATION OF ONLINE CONTINUOUS EFFLUENT MONITORING SYSTEM (OCEMS) AT SEWAGE TREATMENT PLANTS (STPs)

WHEREAS, the Ministry of Environment & Forests, Govt. of India, vide notification S.O.157(E) of 27.02.1996 has delegated powers vested under Section 5 of the Environment (Protection) Act, 1986 (29 of 1986) to the Chairman, Central Pollution Control Board (CPCB), to issue direction to any Industry, Municipal Corporation, Municipal Council, Cantonment Board to any local or other Authority for the violation of emission and effluent standards notified under the Environment (Protection) Rules, 1986 and other standards and norms; and

WHEREAS, sewage is a major cause for poor water quality and adversely impacts human health and aquatic life. The discharge of untreated and partially treated sewage not meeting standards is further adding to the problem of water pollution and very sizeable gap exist in generation and treatment of sewage; and

WHEREAS, there is need to inculcate habit of self-monitoring within the STPs for complying with the prescribed standards and this can be achieved by the methods like installing online continuous effluent monitoring system (OCEMS); and

WHEREAS, for strengthening the monitoring and compliance through self-regulatory mechanism, online continuous effluent monitoring systems (OCEMS) need to be installed and operated by the agencies responsible for operation and management of STPs on 'polluter pays principle'; and

WHEREAS, Hon'ble NGT vide its order dated 31/08/2018 and 19.02.2019 in O. A. No. 593/2017 (WP (Civil) No. 375/2012), Paryavaran Suraksha Samiti & Anr.Vs. Union of India & Ors. directed that "The CPCB may take penal action for failure, if any, against those accountable for setting up and maintaining STPs, CETPs and ETPs. CPCB may also assess and recover compensation for damage to the environment and said fund may be



kept in a separate account and utilized in terms of an action plan for protection of the environment.”

AND WHEREAS, in compliance of above quoted Hon'ble NGT order, CPCB issued methodology for imposing Environmental Compensation vide circular dated 24/05/2019 and cases to be considered for levying penalty are discharges in violation of consent conditions, mainly prescribed standards/non-compliance with the directions issued, such as direction for closure due to non-installation of OCEMS, non-adherence to action plan submitted/ intentional avoidance of data submission or data manipulation by tampering the Online Continuous Emission/Effluent monitoring System/Accidental discharges lasting for short durations resulting into damage to the environment/Intentional discharge of the environment-land, water, air resulting into acute injury or damage to the environment/injection of treated/partially treated/untreated effluents to ground water; and

WHEREAS, Hon'ble NGT vide its order dated 06/08/2018 in O. A. No. 200/2014 [(M.A. No. 254/2018 & M.A. No. 872/2018) (C.W.P No. 3727/1985)] and O. A. No. 668 of 2017 [(Earlier M.A. No. 923/2017 in O.A. No. 200/2014)] directed that “The online mechanism for monitoring the sewage treatment plants should also be connected to the servers of CPCB and State Pollution Control Boards so that the CPCB can also monitor the data”; and

WHEREAS, CPCB issued directions dated 13.06.2019 under Section 18 (1) (b) of the Water (Prevention and Control of Pollution) Act, to State Pollution Control Boards of Uttarakhand, Uttar Pradesh, Bihar and West Bengal for compliance of the following direction:

1. SPCB shall direct to all concerned local bodies/ authorities operating STPs in their state to install online continuous effluent monitoring system at the outlet of STPs to monitor the consented parameters and provide connectivity to CPCB and SPCB servers for continuous monitoring.

AND WHEREAS, CPCB issued directions dated 10.08.2020 under section 5 of the Environment (Protection) Act, 1986 to agencies operating STPs in Ganga front towns to comply with the following directions:

1. The Pey Jal Nigam, Uttarakhand shall install OCEMS system at outlet of STPs located in Ganga front towns for parameters Flow, pH, BOD, COD, TSS, Ammoniacal Nitrogen and Nitrate as Nitrogen and provide connectivity of the same with SPCB and CPCB servers for 24x7 data transmission within six months from the date of issuance of the direction.
2. Environmental Lab shall be set up at STPs within six months from the date of issuance of the direction for daily analysis of parameters pH, BOD, COD, TSS, Total Nitrogen and Fecal Coliform and for MLSS and DO in case STPs having

aerobic treatment process and for Total Phosphorus in case of discharge into Ponds or Lakes. Logbooks of analysis results shall be duly maintained.

3. Faecal coliform level in treated sewage effluent shall be updated on real time data acquisition software manually after testing in STP laboratory. At least one sample shall be collected and analyzed on daily basis.
4. Action plan for setting up of environmental lab, installation and connectivity of OCEMS shall be submitted to CPCB within 30 days.
5. Documentary evidence regarding status of installation of online effluent monitoring system and its connectivity to CPCB/SPCB servers shall be submitted to CPCB.
6. No new STP in Ganga front towns shall be commissioned without installation of OCEMS system;

AND WHEREAS, a webinar was held on 17.09.2020 with all STP operating agencies in Ganga front towns along with concerned State Pollution Control Boards (SPCBs) to review status of installation of OCEMS at STPs, where, STP operating Agencies were asked to submit the action plan in compliance of the direction dated 10.08.2020 for installation of OCEMS and upgradation and augmentation of STPs within 30 days; and

WHEREAS, Pey Jal Nigam, Uttarakhand vide letter dated 22.10.2020, confirmed the installation of OCEMS at 16 STPs; and

WHEREAS, Maha Kumbh, an important religious congregation, is scheduled to be held at Haridwar from Jan 14, 2021, where mass gathering and bathing will take place on Ghats of Haridwar; and

WHEREAS, monitoring of performance of STPs in Uttarakhand are required to ensure pollution free water quality of river Ganga in Rishikesh and Haridwar stretches during Kumbh Mela; and

NOW, THEREFORE, in view of the above observations, and in exercise of the powers delegated to the Chairman, Central Pollution Control Board under section 5 of the Environment (Protection) Act, 1986, the Pey Jal Nigam, Uttarakhand is directed to compliance with the following directions;

1. Pey Jal Nigam, Uttarakhand shall provide connectivity of OCEMS systems installed at 16 STPs to CPCB server for 24x7 data transmission within 15 days.
2. Pey Jal Nigam, Uttarakhand shall ensure installation and commissioning of OCEMS system at the outlet of remaining STPs and provide connectivity of the same with SPCB and CPCB servers for 24x7 data transmission by February 10th, 2021.
3. Pey Jal Nigam, Uttarakhand shall comply with the CPCB direction dated 10.08.2020.

In case of default in compliance with the above directions, CPCB will be constrained to initiate appropriate action against the agency including levying of Environmental Compensation, without giving any further notice, in accordance with the provision of the Environment (Protection) Act, 1986 and NGT orders.


(SHIV DAS MEENA)
CHAIRMAN

Copy to:

1. **Chairman,**
Uttarakhand Pollution Control Board
Gaura Devi Bhawan, 46 B, IT Park,
Sahastradhara, Dehradun,
Uttarakhand-248001 : To ensure the compliance
of the direction
2. **Director General,**
National Mission for Clean Ganga
(MoWR, RD & GR)
1st Floor, Major Dhyan Chand National Stadium
India Gate, New Delhi – 110002 : For kind information
please.
3. **The Director,**
Urban Development Directorate
Government of Uttarakhand
31/62, Rajapur Road
Dehradun - 248001 (Uttarakhand) : For kind information and
necessary action please
4. **Joint Secretary (CP),**
Ministry of Environment Forests & CC
Indira Paryavaran Bhawan, JorBagh Road,
New Delhi-110 003 : For kind information
please.
5. **The Project Director,**
State Programme Management Group (SPMG) –
Namami Gange
117, Indira Nagar
Dehradun 248001 (Uttarakhand) : For kind information and
necessary action please
6. **In-charge, IT Division, CPCB** : For uploading on CPCB
website.
7. **Guard File, WQM - II Division, CPCB** : For Record


(Prashant Gargava)
MEMBER SECRETARY

