



SPEED POST

केन्द्रीय प्रदूषण नियंत्रण बोर्ड
CENTRAL POLLUTION CONTROL BOARD
(पर्यावरण एवं वन मंत्रालय, भारत सरकार)
(MINISTRY OF ENVIRONMENT & FORESTS, GOVT. OF INDIA)

F.No. B-190200 (Part)/STP- NPKC/WQM-II/CPCB/2020-21 15547 Dated: 01.02.2021
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To,

The Managing Director,
Pey Jal Nigam Uttarakhand
11, Mohini Road, Rajendra Nagar
Dehradun – 248 001 (Uttarakhand)

DIRECTIONS UNDER SECTION 5 OF THE ENVIRONMENT (PROTECTION) ACT, 1986 FOR 50 KLD SEWAGE TREATMENT PLANT (STP), AT NAYA PUL (BRO BRIDGE), KARANPRAYAG, UTTARAKHAND-reg.

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 discharge 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 sewage discharge standards is further adding to the problem of water pollution; and

WHEREAS, Central Pollution Control Board (CPCB) issued directions dated 19.04.2017 to local authorities of five Ganga main stem states under Section 5 of Environment (Protection) Act, 1986 to take all necessary measures so that STPs which have been commissioned and all pumping stations work to their maximum capacity regularly and in no case their function should be stopped, continuous power supply at STPs and pumping stations shall be ensured (at least dual feeder system) and time bound action plan for collection and treatment of entire sewage generated in the identified Ganga front towns; 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 referred 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 Online Continuous Effluent Monitoring System (OCEMS), non-adherence to action plan submitted/intentional avoidance of data submission or data

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manipulation by tampering the OCEMS or accidental discharges lasting for short durations resulting into damage to the environment/intentional discharge onto the ambient 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, as per the Hon'ble NGT order dated 30.04.2019 in O.A. no. 1069/2018, the applicable treated discharge standards for STPs are pH –5.5-9.0, BOD –10 mg/l, TSS – 20 mg/l, COD – 50 mg/l, Nitrogen-Total – 10 mg/l, Phosphorus-Total (For Discharge into Ponds, Lakes) – 1.0 mg/l, Faecal Coliform (FC) –100 MPN/100 ml (Desirable) & 230 MPN/100 ml (Permissible); and

WHEREAS, CPCB issued directions dated 26.06.2020 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. No authority shall allow the discharge of polluted sewage or polluted effluents directly into a water channel or stream in violation of the law even during monsoon season and they shall ensure that the standards for Faecal Coliform are duly maintained.

AND WHEREAS, CPCB issued directions dated 10.08.2020 under Section 5 of the Environment (Protection) Act, 1986 for installation of Online Continuous Effluent Monitoring System (OCEMS) within six months for self – surveillance of Sewage Treatment Plants; and

WHEREAS, the Hon'ble NGT vide order dated 13.08.2020 in the O.A. no. 200/2014 directed that,

1. *For delay in setting up of STPs and sewerage network beyond prescribed timelines, State may be liable to pay Rs. 10 Lakhs per month per STP and its network.*
2. *With regard to works under construction, after 01.07.2020, direction for payment of environmental compensation of Rs. 10 lakhs per month to CPCB for discharging untreated sewage in any drain connected to river Ganga or its tributaries and Rs. 10 lakhs per month to CPCB per incomplete STP and its sewerage network will apply.*
3. *As already observed by this Tribunal including in the order dated 14.05.2019 that River Ganga being National River with distinct significance for the country, even a drop of pollution therein is a matter of concern.*

WHEREAS, a team of official from CPCB carried out inspection of **50 KLD STP at near Naya Pul (BRO Bridge), Karnaprayag, Chamoli, Uttarakhand** on 24.11.2020 and found the STP **non-operational**. Following observations were made during the inspection:

1. STP was found non-operational at the time of visit on 24.11.2020 as no sewage was reaching to STP.
2. 50 KLD STP near Naya Pul (BRO Bridge), Karanprayag has electrocoagulation technology and its main components are bar screen, grit-chamber, equalization tank, electrocoagulation, flash mixture, tube settler, ozonization, and pressure sand filter.

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3. The unit has Consent to operate under Water Act, 1974 valid till 31.03.2025.
4. Online Continuous Effluent Monitoring System (OCEMS) system was not installed at outlet of the STP.
5. Raw sewage reaches the STP by piped network.
6. Treated sewage from the STP is discharged into river Pindar, a tributary of river Alaknanda.
7. Provision of bypass arrangement at STP was found near inlet after grit chamber.
8. Operation of STP through sub-contractor "Confident Engineering India Pvt. Ltd."
9. 8 to 10 KLD sewage is reported generated in the area covered under STP.
10. Mode of sewage reaching to STP through sewage network.
11. Influent and effluent quality monitoring schedule (parameter wise) lab record not maintained.
12. Sludge Drying bed was not available at STP.
13. No recirculation pit was found for silt removal near grit chamber, which may result in raw sewage flow to river at the time of silt removal.
14. In-house lab facility was not available for the analysis of relevant parameters.
15. Provision of disinfection of treated sewage by ozonation technology was available at STP.
16. Sample was not collected from the STP on the day of inspection dated 24.11.2020 because of no sewage reaching the STP.

WHEREAS, Uttarakhand Pey Jal Nigam (UKPJN) is required to carry the following suggestive measures -

1. Sewage should reach the STP and STP shall be made operational immediately.
2. STP shall inform in advance to SPCB, about shutdown of STP due to any maintenance work.
3. Provision for Sludge Drying beds should be provided at STP.
4. STP shall establish environmental laboratory for monitoring of treated sewage discharge quality.
5. OCEMS shall be installed and connected to CPCB/UKPCB servers.
6. STP shall made re-circulation pit at grit chamber for silt removal.

It is evident that the Sewage Treatment Plant at Naya Pul (BRO Bridge), Karnaprayag, Chamoli, Uttarakhand having designed treatment capacity of 50 KLD was found non-operational on the day of visit and untreated sewage was being discharged into river Pindar causing grievous injury to the environment.

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Now, Therefore in view of the above observations, and in exercise powers delegated to the Chairman, Central Pollution Control Board under section 5 of the Environment (Protection) Act, 1986, Show Cause notice is hereby served to Uttarakhand Pey Jal Nigam to explain the reason of non-operational status of 50 KLD STP, near Naya Pul (BRO Bridge), Karanprayag and **why Environment Compensation of Rs 10 lakh/month should not be imposed on Uttarakhand Pay Jal Nigam (UKPJN) for discharge of untreated sewage into river Pindar due to non-operational 50 KLD STP at Naya Pul (BRO Bridge), Karanprayag until the STP is made operational.**

Uttarakhand Pey Jal Nigam shall acknowledge the receipt of Show Cause Notice and submit reply to this office within 15 days from the date of this notice failing which suitable action as deemed fit under provision of the Environment (Protection) Act, 1986 will be initiated.


(SHIV DAS MEENA)
CHAIRMAN

Copy to:

1. **The Secretary,** : for kind information and necessary action please
Ministry of Housing & Urban Affairs,
Government of Uttarakhand
31/62 Rajpur Road,
Dehradun, Uttarakhand-248001
2. **The Member Secretary,** : with a request to ensure compliance of the direction
Uttarakhand Pollution Control Board
29/20 , Nemi Road,
Dehradun- 248 001 (Uttarakhand)
3. **The Director General,** : for kind information please
National Mission for Clean Ganga (MoWR, RD & GR)
1st Floor, Major Dhyan Chand National Stadium
India Gate, New Delhi – 110002
4. **The Joint Secretary (CP Division),** : for kind information please
Ministry of Environment, Forests, & Climate Change
Indira Paryavaran Bhawan, Jorbagh Road,
Ali Ganj, Lodhi Colony, New Delhi – 110013
5. **Project Director,** : for kind information and necessary action please
State program management group, Uttarakhand
(SMCG-UK), 117 Indira Nagar,
Dehradun, Uttarakhand- 248001
6. **The Incharge, IT Division, CPCB** : for uploading on website
7. **The Incharge, WQM-II, CPCB, DELHI** : for record


(PRASHANT GARGAVA)
MEMBER SECRETARY