



Speed Post

F. No. B-190188/CETP-Pantanagar/PIAS/WQM-II/CPCB/2017-18

Date: September 16th, 2019

To,

**The Member Secretary
Uttarakhand Environment Protection &
Pollution Control Board
29/20, Nemi Road,
Dehradun, Uttarakhand**

6589

DIRECTIONS UNDER SECTION 18(1)(b) OF THE WATER (PREVENTION AND CONTROL OF POLLUTION) ACT, 1974 REGARDING CETP PANTANAGAR

WHEREAS, the Central Board, has delegated powers vested under Section 18 (1) (b) of Water (Prevention & Control of Pollution) Act, 1974 to the Chairman, Central Pollution Control Board vide its resolution made on 133rd Board meeting item no. 3.12 dated 24th March, 2005 to issue direction under Section 18 (1) (b) of the Water (Prevention & Control of Pollution) Act, 1974 to State Board; and

WHEREAS, the Central Government has notified the standards for discharge of environmental pollutants from various categories of industries, Common Effluent Treatment Plants (CETP) and Sewage Treatment Plants (STP) under the Environment (Protection) Act, 1986 and the rules framed there under; 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)/Pollution Control Committees, constituted under the Water (Prevention and Control of Pollution) Act, 1974, is to plan a comprehensive programme for the prevention, control and abatement of pollution of stream and wells in the State/UT and to secure the execution thereof; and

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

WHEREAS, amongst others, under section 16 of the Water (Prevention and Control of pollution) Act, 1974, one of the function of the Central Pollution Control Board, is to promote cleanliness of streams and wells in different areas of the States; and

WHEREAS, under Section 25 of Water (Prevention and Control of Pollution) Act, 1974 no person shall, without the previous consent of State Board establish or take step to establish any industry, operation, or process or any treatment or disposal system or an extension or addition thereto, which is likely to discharge sewage or trade effluent into a stream or well or sewer or on land; and

WHEREAS, Hon'ble Supreme Court in the writ petition (c) no. 375 of 2012 pronounced judgement dated: 22/02/2017 and issued direction as under:

1. The setting up of 'common effluent treatment plants' should be taken up as an urgent mission. CETPs which are already under implementation should be completed within the lines already postulated. CETPs which are yet to be set up, concerned State Governments/ Union Territories were directed to complete the same within three years from today (i.e.22/02/2017).
2. While acquiring lands for setting up of 'common effluent treatment plants' concerned State Governments will acquire such additional land as may be required for setting up "zero liquid discharge plants" as and when required in future.
3. Government (or the Union Territories), shall cater to the financial requirement, of running the CETPs, which are presently dis-functional, from their own financial resources.
4. For setting up CETPs, the concerned State Governments (or the Union Territories) will prioritize such cities, towns and villages, which discharge industrial pollutants and sewage, directly into rivers and water bodies.
5. The directions pertaining to continuation of industrial activity only when there is in place a functional primary ETP, and the setting up of functional CETPs, within the time lines, shall be of the Member Secretaries of the concerned Pollution Control Boards.
6. Some of the CETPs are dis-functional, because of lack of finances. Onus to operate the existing CETPs, rests on concerned Municipalities (and / or Local Bodies), cannot be permitted to shy away, from discharging this onerous duty.
7. The norms for generating funds, for setting up and / or operating the CETP shall be finalized, on or before 31.3.2017, so as to be implemented w.e.f. the next financial year.

WHEREAS, Hon'ble National Green Tribunal vide order dated 07.08.2019 in OA No. 200 of 2014 directed that "Installation of Continuous Emission Monitoring System (CEMS) at appropriate locations and Online Monitoring System (OMS)" needs immediate focus; and

WHEREAS, there is need to inculcate habit of self-monitoring within the industries for complying with the prescribed standards and this can be achieved by methods like installing online effluent and emission monitoring devices; and

WHEREAS, for strengthening the monitoring and compliance through self-regulatory mechanism, online source emission and effluent monitoring systems need to be installed and operated by the industries on 'polluter pays principle'; and

WHEREAS, SIDCUL Pantanagar has about 522 industrial units and CETP Pantanagar was setup to treat effluents generated from the member industrial units; and

WHEREAS, Pantanagar CETP, Udham Singh Nagar, Uttarakhand (4MLD) was inspected by Officials of CPCB on 26/06/2019 and following observations are made:

1. The CETP was non-operational at the time of inspection due to electrical short circuit. The treatment plant was started using DG set soon after the arrival of CPCB officials.
2. The CETP is based on Activated Sludge Process Technology.
3. CETP was running at under capacity.
4. As reported by the operator only 245 industries connected to CETP out of 522 units.
5. Designed capacity of CETP is 4.0 MLD, however as per CETP representative it operates at 1.5 MLD. Inflow of CETP on previous day of monitoring was 0.5 MLD as per logbook.
6. The treated effluent is discharged into Kalyani river through a pipeline.
7. CETP Pantanagar is a member of Bharat Oil and Waste Management for hazardous waste disposal and management.
8. The Flow meter at outlet was defunct and also flow meter totalizer at the inlet was not working.
9. Dissolved oxygen in aeration tank was found - 1.09 mg/l.
10. The CETP has applied for consent to operate to UEPPCB.
11. The Online Continuous Effluent Monitoring System (OCEMS) is not installed at CETP Outlet.

12. Analysis of effluent samples indicates that CETP inlet & outlet were found complying with the prescribed discharge standards. Effluent discharge results are as under:

Analysis result of samples collected from inlet, lagoon and outlet of CETP.

Parameters	Ground water	Inlet of CETP	CETP inlet norms (as per agreement and design)	Aeration Tank	Lagoon Pond	Lagoon outlet	Outlet of CETP	Outlet Standards for disposal surface water (as per Notification S.O.4 (E), dated 01.01.2016)
pH	7.4	6.59	5.5-9.0	-	10.15	10.15	6.81	6-9
TSS		176	1100	-	45	38	13	100
Sulphate	BDL	166	-	-	209	216	210	1000
Ammonical Nitrogen	-	-	50	-	02	-	2	50
Nitrate	7.8	7.8	-	-	4.2	3.9	4	10
Chloride	08	87	-	-	179	175	185	1000
Phenol	-	0.43	-	-	-	-	0.48	1
Oil & Grease	-	-	20	-	-	-	BDL	10
BOD	-	74	550	-	16	10	11	30
COD	BDL	287	900	-	70	60	56	250
Manganese	BDL	0.60	-	-	0.05	0.04	0.19	2.0
Total Chromium	BDL	0.16	2.0	-	BDL	BDL	BDL	2
Copper	BDL	0.02	3.0	-	BDL	BDL	BDL	3
Iron	0.04	10.89	-	-	0.37	0.22	0.27	3
Nickel	BDL	0.40	3.0	-	0.16	0.14	0.36	3
Cobalt	BDL	0.02	-	-	BDL	BDL	BDL	-
Lead	BDL	1.08	1.0	-	0.03	0.03	0.02	0.1
Zinc	0.01	1.02	15.0	-	0.02	0.01	0.04	5
Arsenic	BDL	0.01	0.2	-	BDL	BDL	BDL	0.2
Cadmium	BDL	BDL	-	-	BDL	BDL	BDL	0.05
Antimony	BDL	BDL	0.01	-	BDL	-	BDL	-
Vanadium	BDL	BDL	-	-	BDL	-	BDL	0.2
Selenium	BDL	BDL	-	-	BDL	-	BDL	0.05
Cyanide	-	BDL	-	-	BDL	-	BDL	0.2
Total Coliform (TC)	-	20×10 ⁷	-	-	-	-	22×10 ²	-
Faecal Coliform (FC)	-	20×10 ⁷	-	-	-	-	230	-
Dissolved Oxygen	-	-	-	1.09	-	-	-	-
MLSS/MLVSS	-	-	-	2500/64	-	-	-	-

All parameters are in mg/L except TC and FC in (MPN/100ml) and pH.

Now, Therefore, in view of the above observations, and in exercise powers vested to the Chairman, Central Pollution Control Board under Section 18 (1) (b) of Water (Prevention & Control of Pollution) Act, 1974, you are directed to issue appropriate directions to **Pantanagar CETP, c/o Ramky Infrastructure Ltd., IIE-SIDCUL, Pantanagar, Udham Singh Nagar, Uttarakhand to comply with the following directions:**

1. Pantnagar CETP shall install online monitoring system (OCEMS) at the final outlet of CETP and provide data connectivity with CPCB/UEPPCB server within 3 months.
2. CETP should obtain consent to operate (CCA) from UEPPCB and submit the same to CPCB.
3. Flowmeter at final outlet of CETP shall be rectified and made functional within 30 days.

UEPPCB shall acknowledge receipt of these directions immediately and submit action taken report by September 30th, 2019, positively.

(S. P. Singh Parihar)
CHAIRMAN

CETP Pantanagar

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Copy to:

1. **M/s. Ramky Infrastructure Ltd.,**
Pantanagar SIDCUL CETP,
IIE-SIDCUL PantanagarRudrapur,
Dist. Udham Singh Nagar,
Uttarakhand
: To ensure the compliance of the directions and ensure proper operation and maintenance of CETPPantanagar.
2. **Managing Director**
SIDCUL, Head Office
29 IIE (IT Park), Shahastradhara Road
Dehradun
: For kind information and necessary action, please.
3. **Director General,**
National Mission for Clean Ganga
(MoWR, RD & GR)
1stFloor, Major Dhyan Chand National Stadium
India Gate, New Delhi – 110002
: For kind information please.
4. **Joint Secretary (CP),**
Ministry of Environment Forests & Climate Change
Indira ParyavaranBhawan, JorBagh Road,
New Delhi-110 003
: For kind information please.
5. **In-charge, IT Division, CPCB**
: For uploading the direction on CPCB website
6. **Guard File, WQM - II Division, CPCB**
: For record please.


(Prashant Gargava)
MEMBER SECRETARY