



केन्द्रीय प्रदूषण नियंत्रण बोर्ड
CENTRAL POLLUTION CONTROL BOARD

पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय भारत सरकार
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE GOVT. OF INDIA

SPEED POST

File No. B-190200/STP-MON/WQM-II/CPCB/2019-20 3241

Date: June 18th, 2019
26th

To,

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

Directions Under Section 18 (1) (b) of the Water (Prevention And Control of Pollution) Act, 1974 regarding Sewage Treatment Plants (STPs) - reg.

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, amongst others, under Section 17 of the Water (Prevention and Control of Pollution) Act, 1974, one of the function of the State Pollution Control Board (SPCB), 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 located in the State 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, the State Pollution Control Board under Section 17 of the Water Act has been mandated with the following functions which inter-alia including;

- (a) to inspect sewage or trade effluents, works and plants for the treatment of sewage and trade effluents and to review plans, specifications or other data relating to plants set up for the treatment of water, works for the purification thereof and the system for the disposal of sewage or trade effluents or in connection with the grant of any consent as required by this Act;
- (b) lay down, modify or annul effluent standards for the sewage and trade effluents and for the quality of receiving waters (not being water in an inter-State stream) resulting from the discharge of effluents and to classify waters of the State;
- (c) to evolve economical and reliable methods of treatment of sewage and trade effluents, having regard to the peculiar conditions of soils, climate and water resources of different regions and more especially the prevailing flow characteristics of water in streams and wells which render it impossible to attain even the minimum degree of dilution;
- (d) to evolve methods of utilization of sewage and suitable trade effluents in agriculture;
- (e) to evolve efficient methods of disposal of sewage and trade effluents on land, as are necessary on account of the predominant conditions of scant stream flows that do not provide for major part of the year the minimum degree of dilution;
- (f) to lay down standards of treatment of sewage and trade effluents to be discharged into any particular stream taking into account the minimum fair weather dilution available in that stream and the tolerance limits of pollution permissible in the water of the stream, after the discharge of such effluents;
- (g) to lay down effluent standards to be complied with by persons while causing discharge of sewage or sullage or both and to lay down, modify or annul effluent standards for the sewage and trade effluents;

WHEREAS, sewage is a major cause for poor water quality and adversely impacts human health and aquatic life. The discharge of untreated, partially treated and 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, the Central Government has notified standards for discharge of environmental pollutants from industries, Common Effluent Treatment Plants (CETPs) and Sewage Treatment Plants (STPs), under the Environmental (Protection) Act, 1986 and rules framed there under (schedule VI); and

WHEREAS, National Mission for Clean Ganga (NMCG) has identified 97 cities/towns called Ganga front towns near the banks of Ganga and sewage generated from these cities/towns located in your State falls directly/indirectly in river Ganga & its tributaries through drains and thus deteriorating water quality of river Ganga; and

WHEREAS, water quality of river Ganga has been deteriorating on account of disposal of untreated sewage through various drains or partially treated sewage and trade effluent in to the river and making the river unfit for human bathing/consumption; and

WHEREAS, CPCB issued directions dated: 21/04/2015 under Section 18 (1) (b) of Water (Prevention and Control of Pollution) Act, 1974 to the State Pollution Control Boards (SPCBs) /Pollution Control Committees (PCCs) to direct concerned authorities and municipalities in the State/Union Territory to develop infrastructure for sewage management and utilization of treated sewage for the non-potable use; and

WHEREAS, CPCB issued directions dated 10.03.2017 under Section 18 (1) (b) of Water (Prevention and Control of Pollution) Act, 1974 to the Utrakhnad Environment Protection and Pollution Control Board (UEPPCB) for restoration of water quality of River Ganga and directed:

- i) to take up monitoring of Sewage Treatment Plants (STPs) discharging into river Ganga on monthly basis and forward monthly reports to CPCB.
- ii) To take action against the authorities responsible for operation and maintenance of STPs (existing)/ or those newly under construction are not simultaneously ready with conveyance system (sewers) and this has created partial utilisation of STP and order them to rectify such situation in next six months from the date of issue of these directions and STPs should be utilized completely for their designed capacities.

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

"Just in manner suggested hereinabove , for the purpose of setting up of 'common effluent treatment plants' the concerned State Governments (including, the concerned Union Territories) will prioritize such cities, towns and villages, which discharge industrial pollutants and sewer, directly into rivers and water bodies."

"We are of the view, that in the manner suggested above, the malady of sewer treatment, should also be dealt with simultaneously. We therefore hereby direct, that 'sewage treatment plants' shall also be set up and made functional, within the timelines and the format, expressed hereinabove."

AND WHEREAS, Hon'ble National Green Tribunal in the writ petition (c) no. 3727of 1985 pronounced judgement dated: 13/07/2017 as under:

"The CPCB and the respective SPCBs, particularly, concerned with river Ganga shall issue consent orders which must contain stipulations/conditions with regard to reuse of the treated sewage for industrial and other purposes. This condition should also be incorporated by an amendment in the orders already issued by the Boards to the industries, however, they may

be provided time frame for compliance of this direction. The Board can implement this direction in stages, giving preferences first in the urban areas and later in rural areas."

"All the existing STPs as well as the STPs to be designed and constructed should satisfy the existing standards. The new STPs should be designed and constructed in a manner in which they should be able to achieve more stringent norms, if prescribed in future"

AND WHEREAS, Hon'ble NGT in matter of OA No. . 593/2017 (WP (Civil) No. 375/2012) dated 31/08/2018 directed to CPCB as under:

"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 WHEREAS, CPCB prepared a methodology for levying penalty in reference of Hon'ble NGT order dated: 31/08/2018 for discharge in violation of consent conditions mainly prescribed standards/consent limits; and

WHEREAS, Hon'ble NGT in matter of OA 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)] dated 06/08/2018 directed as under:

"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 have monitored STPs operated & maintained by Uttarakhand Jal Sansthan/ Uttarakhand Peyjal Nigam during April, 2018-March, 2019 for the performance evaluation and based on latest inspection found four STPs non-complying w.r.t. general standard for discharge on inland surface water notified under Environment (Protection) Act, 1986 and one STP non-operational. The status of non-complying & non-operational STPs and major observations are as follows:

Sl. No.	Name of STP (Technology & installed capacity in MLD)	Date of inspection	Actual Treatment (MLD)	Analysis result of treated sewage (all parameters are in mg/l except pH)					Authority responsible for O&M of STPs
				pH	BOD	COD	TSS	Non Complying Parameter	
General discharge Standard				5.5-9.0	30	250	100		
1.	Gangotri (SBR-1.0 MLD)	23.10.2018	0.04	6.63	99	225	183	BOD & TSS	Uttarakhand Jal Sansthan
2.	Shanti Bazar (SBR-0.075 MLD)	23.10.2018	Non-operational						
3.	Lakkarghat (OP-06 MLD)	06.12.2018	16.0	7.42	32	99	28	BOD	

4.	Srinagar (MBBR-3.5 MLD)	04.12.2018	0.66	7.20	65	210	110	BOD & TSS
5.	Kirtinagar (MBBR-0.05 MLD)	04.12.2018	0.05	7.21	52	224	297	BOD & TSS

1. Lakkarghat STP is based on oxidation pond technology and found operating much above its designed capacity.
2. MLSS in SBR reactor of Gangotri STP was 1150 mg/l, which indicates un-stabilized biological process system due to poor operation and maintenance of STP.
3. It is also observed that most of the operational STPs don't have valid consent-to-operate issued by UEPPCB under Water (Prevention and Control of Pollution) Act, 1974 (details annexed).

AND NOW THEREFORE, in view of above mentioned observations and in exercise of the power conferred under Section 18 (1) (b) of the Water (Prevention & Control of Pollution) Act, 1974 you are hereby directed to comply with the following directions:

1. UEPPCB shall impose environmental compensation on operator of above mentioned STPs located at Gangotri, Kirtinagar, Lakkarghat (Rishikesh), Srinagar (Garhwal) and Shanti Bazar (Devprayag).
2. UEPPCB shall direct to concerned authorities to prepare & submit time bound action plan for capacity augmentation and upgradation of non-complying and over capacity STPs to ensure compliance with the notified/prescribed standards and also to make non-operational STP operational and for utilization of under-utilized capacity.
3. UEPPCB shall direct to all concerned local bodies/authorities operating STPs in the state of Uttarakhand to obtain consent under Water (Prevention and Control of Pollution) Act, 1974 from UEPPCB within a period of 30 days.
4. UEPPCB shall direct to all concerned local bodies/authorities operating STPs in the state of Uttarakhand to install online continuous effluent monitoring system at the outlet of STP to monitor the consented parameters and provide connectivity to CPCB and SPCB servers for continuous monitoring within three months.

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


 (S.P. SINGH PARIHAR)
 Chairman

Copy to :

1. The Secretary
 Department of Urban Development
 Government of Uttarakhand
 43/6 Mata Mandir Road, Dharampur,
 Dehradun, Uttarakhand-248001

: for kind information please

2. The 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. Joint Secretary (CP Divison),
Ministry of Environment, Forests, & Climate Change
Indira Paryavaran Bhwan, Jorbagh Road,
Ali Ganj, Lodi Colony,
New Delhi - 110013 : for kind information please
4. The Managing Director
Uttarakhand Pay Jal Nigam
11, Mohini Road, Rajendra Nagar
Dehradun - 248001 : for kind information please
5. The Chief General Manager
Uttarakhand Jal Sansthan
B-block, Jal Bhavan, Nehru Colony,
Dehradun – 248001 (Uttarakhand) : for kind information please
- ✓ 6. The Incharge, IT Division, CPCB : with a request to upload the
directions on CPCB website


(Prashant Gargava)
Member Secretary

etc

List of STPs along with the consent status in Uttarakhand

S. No.	STPs	Ganga Front Town	Technology & process used	Designed Capacity (MLD)	Latest inspection date	Authority for O&M	Valid Consent From UEPPCB (13.6.2018)
1.	Uttarkashi	Uttarkashi	MBBR	2	24/10/2018	UJS	No valid CTO from UEPPCB
2.	Gangotri	Uttarkashi	SBR	1	23.10.2018	UJS	No valid CTO from UEPPCB
3.	Badrinath	Badrinath	SBR	0.26	30.10.2018	UJS	No valid CTO from UEPPCB
4.	Tehri	Tehri	ASP	5	04/12/2018	UJS	No valid CTO from UEPPCB
5.	Srinagar	Srinagar	FAB	3.5	04/12/2018	UJS	No valid CTO from UEPPCB
6.	Kirtinagar	Kirtinagar	MBBR	0.05	04/12/2018	UJS	No information provided
7.	Bah Bazar Devprayag	Devprayag	SBT	1.40	23/10/2018	UJS	No information provided
8.	Sangam Bazar Devprayag	Devprayag	SBR	0.15	23/10/2018	UJS	No information provided
9.	Shanti Bazar Devprayag	Devprayag	SBR	0.075	23/10/2018	UJS	No information provided
10.	Tapovan	Tapovan	SBR	3.5	05/12.2018	UPJN	No valid CTO Applied for renewal on 03.04.2018.
11.	Swarg Ashram Rishikesh	Rishikesh	SBR, C-Tech	3	15/11/2018	UJS	No valid CTO from UEPPCB
12.	Lakkarghat, Rishikesh	Rishikesh	OP	6	06/12/2018	UJS	No information provided
13.	Jagjeetpur, Haridwar	Haridwar	SBR, C-Tech	27	12/03/2019	UJS	No information provided
14.	Jagjeetpur, Haridwar	Haridwar	ASP	18	12/03/2019	UJS	No information provided
15.	Sarai, Jawalapur STP	Haridwar	SBR, C-Tech	18	11/03/2019	UJS	No valid CTO Applied on 05.05.2018
16.	Mothrowala (old)	Dehradun	SBR	20	13/03/2019	UPJN	No valid CTO from UEPPCB
17.	New Mothrowala	Dehradun	SBR	20	13/03/2019	UPJN	No valid CTO from UEPPCB
18.	Jhakan	Dehradun	SBR	01	14/03/2019	UPJN	No valid CTO from UEPPCB
19.	Salawala	Dehradun	SBR	0.71	14/03/2019	UPJN	No valid CTO from UEPPCB
20.	Vijay Colony	Dehradun	SBR	0.42	14/03/2019	UPJN	No valid CTO from UEPPCB
21.	Kargi	Dehradun	SBR	68	13/03/2019	UJS	Yes, Valid upto 31/03/2019