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

By Speed-Post

B-190198/NGRBA(RG)/CPCB/Distillery/14/2016-17/5275 20 January, 2021

To,
The Chairman,
Uttarakhand Pollution Control Board,
29/20, Nemi Road, Dehradun,
Uttarakhand-248001

DIRECTION UNDER SECTION 18(1)(b) OF THE WATER (PREVENTION AND CONTROL OF POLLUTION) ACT, 1974 FOR RESTORATION OF WATER QUALITY OF LAKSAR DRAIN

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 and to secure the execution thereof; and

WHEREAS, amongst others, under Section 16 of the Water (Prevention and Control of Pollution) Act, 1974, and Section 16 of the Air (Prevention and Control of Pollution) Act, 1981, 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 to provide technical assistance and guidance to SPCBs/ PCCs; and

WHEREAS, the Central Government has notified standards for discharge of environmental pollutants from various categories of industries and common effluent treatment plants (CETPs), under the Environment (Protection) Act, 1986 and rules framed there under, and

WHEREAS, the SPCBs/PCCs can stipulate standards for discharge of environmental pollutants from various categories of industries and common effluent treatment plants (CETPs) more stringent than those notified by the Central Government, under the Environment (Protection) Act, 1986 and rules framed there under; and

WHEREAS, Grossly Polluting Industries (GPIs) are defined as industrial units having potential to discharge 100 kg/day BOD load and/or handling hazardous chemicals as specified in Manufacturing, Import and Storage of Hazardous Chemicals Rules 1989 and as amended; and

WHEREAS, distilleries and agro based pulp & paper mills are identified as GPIs having potential to discharge effluent with high colour and pollution load into river Ganga and its tributaries. Industrial Clusters of textile/tannery/pulp & paper industries are also identified as sources of discharge of effluent into drains/rivulets, which ultimately meet river Ganga; and

(Contd.2/)

'परिवेश भवन' पूर्वी अर्जुन नगर, दिल्ली-110032
Parivesh Bhawan, East Arjun Nagar, Delhi-110032
दूरभाष/Tel : 43102030, 22305792 वेबसाईट/Website : www.cpcb.nic.in

WHEREAS, as per decision taken during meeting dated 22.01.2019 chaired by Principal Secretary to Hon'ble Prime Minister, CPCB and SPCBs were required to monitor water quality at various locations on river Ganga w.r.t GPIs; and

WHEREAS, CPCB, in consultation with concerned SPCBs and technical institutes, identified recipient industrial/mixed drains which carry wastewater discharge from industrial units from major polluting sectors like Distillery, Pulp & Paper, clusters of Tannery and Textile, for monitoring of these drains through third party technical institutes to keep vigilance on environmental performance of these industries and industrial clusters as well as any episodal/illegal discharge; and

WHEREAS, 101 recipient drains (73 from industries and 28 from industrial clusters) were identified having potential to carry discharge from Distillery, Agro based Pulp & Paper mills and other industrial clusters. These drains were allocated among six technical institutes namely, IIT-BHU, IIT-Roorkee, IIT-Delhi, MIT-Muzaffarnagar, BCKV-Nadia and PCRI-Haridwar for monitoring on monthly basis; and

WHEREAS, monitoring of Laksar drain, which is identified as the recipient drain of M/s RBNS Sugar Mills Ltd, Laksar, Uttarakhand (hereinafter referred to as the 'Unit') was carried out by Pollution Control Research Institute (PCRI)-Haridwar, Uttarakhand on monthly basis. The upstream location of the drain selected for sample collection is adjacent to the main gate of the Unit (latitude: 29°42'11" N, longitude: 78°02'07" E) while the downstream location of sampling is near the bridge situated in Laksar-Balawali Road (latitude: 29°43'58" N, longitude: 78°02'11" E); and

WHEREAS, the first round of monitoring of Laksar drain was undertaken by the joint monitoring team comprising of officials from PCRI-Haridwar, Uttarakhand, Uttarakhand Pollution Control Board (UKPCB) and CPCB on 28.12.2019. Analysis report of samples collected from the upstream and downstream locations of Laksar drain indicated that flow at upstream was 0.10 m/sec while it was 0.14 m/sec at downstream location. BOD, COD and TSS was 250 mg/l, 1047mg/l and 298 mg/l respectively in the upstream location while in the downstream location, BOD, COD and TSS was 870 mg/l, 1619 mg/l and 330 mg/l respectively which indicated deterioration of water quality of the recipient drain; and

WHEREAS, CPCB vide letter dated 20.08.2020 asked Uttarakhand Pollution Control Board (UKPCB) to direct the concerned industries to comply with effluent discharge norms, to ensure that the quality of recipient drains/water bodies shall not be deteriorated and to submit action taken report to CPCB within 15 days; and

WHEREAS, CPCB issued letter dated 21.08.2020 to the Unit to adopt necessary pollution control measures to ensure compliance with effluent discharge standards to prevent deterioration of water quality of recipient drain and also to take remedial measures to restore the water quality of recipient drain; and

WHEREAS, the second and third round of monitoring of Laksar drain was undertaken on 27.01.2020 and 18.02.2020 respectively. The analysis result of the samples collected from the stipulated upstream (U/s) and downstream (D/s) locations during the two rounds are represented as follows:

(Contd.3/)

Date of sampling	Location	Flow (m/sec)	Color (Hz)	pH	TDS (mg/l)	TSS (mg/l)	COD (mg/l)	BOD (mg/l)	Cl^- (mg/l)	NO_3^- (mg/l)	NH_3-N (mg/l)
27.01.2020 (2nd round)	U/s	0.13	700	7.0	680	220	968	235	61	0.33	18.88
	D/s	0.23	>1000	7.1	720	298	2068	892	79	0.73	26.52
18.02.2020 (3rd round)	U/s	0.13	100	7.4	576	144	142	45	74	ND	22.75
	D/s	0.23	>1000	6.8	993	600	1339	440	88	0.15	27.84

AND WHEREAS, CPCB vide letters dated 16.10.2020 asked UKPCB and the Unit to ensure that the quality of recipient drains/water bodies shall not be deteriorated and to submit action taken report to CPCB within 15 days; and

WHEREAS, the Unit submitted their reply vde letter dated 26.10.2020 which was examined and following observations are made:

1. Laksar drain had been cleaned in January and June,2020.
2. Water lettuce and hyacinth has been developed in Laksar drain.
3. The Unit has been submitting monthly monitoring report of drain samples collected from its upstream and downstream locations and analysed by private/Unit's laboratory.
4. UKPCB has been monitoring the water quality of Laksar drain on monthly basis at two locations namely, Akoda Kalan and at Podowali, and as per their analysis result between January to September,2020, the water quality was within permissible limits.
5. The Unit was inspected by NSI team from 25.12.2019 to 27.12.2019 and Unit's ZLD system was found adequate.

AND WHEREAS, the fourth round of monitoring of Laksar drain was carried out on 31.10.2020 and the flow observed was 0.17 m/sec at upstream location while it was 0.14m/sec at downstream location. The analysis result of the samples collected from the stipulated upstream (U/s) and downstream (D/s) is represented as follows:

Location	Colour (Hz)	pH	TDS (mg/l)	TSS (mg/l)	COD (mg/l)	BOD (mg/l)	Cl^- (mg/l)	NO_3^- (mg/l)	NH_3-N (mg/l)
U/s	110	7.5	546	106	67.3	19	32	4.59	7.22
D/s	900	5.04	1152	438	**3461**	**1600**	58	<1	9.47

AND WHEREAS, in the previous three rounds of monitoring of Laksar drain, the average BOD and COD level at downstream of the Unit was 734 mg/l and 1675 mg/l respectively, while in the fourth round of monitoring in October,2020, the BOD & COD were found to increase to 1600 mg/l and 3461 mg/l respectively, thereby indicating further deterioration in water quality of Laksar drain; and

(Contd.4/)

WHEREAS, CPCB vide letter dated 01.12.2020 asked UKPCB to direct the concerned industries to comply with effluent discharge norms, to ensure that the quality of recipient drains/water bodies shall not be deteriorated and to submit action taken report to CPCB within 30 days; and

WHEREAS, CPCB vide letter dated 01.12.2020 asked the Unit to take remedial measures to restore water quality of recipient Laksar drain; and

WHEREAS, the fifth round of monitoring of Laksar drain was carried out on 27.11.2020 and the flow observed was 0.16 m/sec at upstream location while it was 0.13m/sec at downstream location. The analysis result of the samples collected from the stipulated upstream (U/s) and downstream (D/s) locations is represented as follows:

Location	**Colour (Hz)**	**pH**	**TDS (mg/l)**	**TSS (mg/l)**	**COD (mg/l)**	**BOD (mg/l)**	**Cl^- (mg/l)**	**NO_3^- (mg/l)**	**NH_3-N (mg/l)**
U/s	50	7.5	600	60	49	12	46	1	6.68
D/s	>1000	7.3	1346	468	**784**	**230**	72	8.3	26.49

AND WHEREAS, it is evident from five rounds of monitoring of Laksar drain that there is visible adverse impact on its water quality which deteriorates at downstream location.

NOW THEREFORE, in view of the above and in exercise of the powers conferred under section 18(1)(b) of the Water (Prevention and Control of Pollution) Act, 1974, you are hereby directed to take appropriate actions for compliance to the following:

1. Uttarakhand Pollution Control Board (UKPCB) shall identify the cause for deterioration of water quality of Laksar drain at the downstream locations of the Unit.
2. UKPCB shall issue directions as per applicable procedure under section 33A of the Water (Prevention and Control of Pollution) Act, 1974 to all concerned industries/activities to take remedial measures to ensure restoration of water quality of recipient drain.
3. UKPCB shall ensure implementation of time bound action for restoration of water quality of Laksar drain.

The action taken report shall be submitted by UKPCB to CPCB within 30 days from the date of receipt of these directions. UKPCB shall also acknowledge the receipt of these directions to CPCB within a week.

(SHIV DAS MEENA)
CHAIRMAN

(Contd.5/)

Copy to:

1. **Director General,** : For kind information please
   National Mission for Clean Ganga,
   1st Floor, Major Dhyan Chand National Stadium, India Gate,
   New Delhi – 110002

2. **Joint Secretary (CP Division)** : For kind information please
   Ministry of Environment, Forest & C.C,
   Prithvi Block, Indira Paryavaran Bhawan,
   Lodhi Road, New Delhi – 110 003

3. **District Magistrate, Haridwar,** : For kind information please
   Roshnabad Collectorate,
   Mayapur, Haridwar,
   Uttarakhand- 249401

4. **The In-charge, Zonal Office,** : For kind information please
   Central Pollution Control Board,
   PICUP Bhawan, Ground Floor, Vibhuti Khand, Gomti Nagar, Lucknow-226010

5. The In-charge, IT Division, CPCB : To kindly upload on CPCB website

6. Master file/Guard file WQM-II Division, CPCB

(PRASHANT GARGAVA)
MEMBER SECRETARY