



**By Speed-Post**

B-190198/NGRBA(RG)/CPCB/Distillery/20/2016-17

March 15, 2021

To,

The Chairman,  
Uttar Pradesh Pollution Control Board,  
Building No. TC-12 V, Vibhuti Khand,  
Gomti Nagar, Lucknow-226010, Uttar Pradesh

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

**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, 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

**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

(Contd.2/)

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**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 Sot river, which is identified as the recipient river of M/s Dhampur Sugar Pvt. Ltd (Distillery Div), Asmoli, Moradabad, U.P. (hereinafter referred to as the 'Unit') was carried out by IIT-Roorkee on monthly basis. The upstream location of the drain selected for sample collection is latitude: 28°71'02" N, longitude: 78°54'86" E while the downstream location 28°71'01" N, longitude: 78°53'67" E); and

**WHEREAS**, the first and second round of monitoring of Sot river was undertaken by the joint monitoring team comprising of officials from IIT-Roorkee, Uttar Pradesh Pollution Control Board (UPPCB) and CPCB on 31.01.2020 and 29.02.2020 respectively. The analysis result of the samples collected from the stipulated upstream (U/s) and downstream (D/s) locations during the two rounds are as follows:

Date of sampling	Location	Color (Hz)	pH	TDS (mg/l)	TSS (mg/l)	COD (mg/l)	BOD (mg/l)	Cl <sup>-</sup> (mg/l)	NO <sub>3</sub> <sup>-</sup> (mg/l)	NH <sub>3</sub> -N (mg/l)
31.01.2020 (1 <sup>st</sup> round)	U/s	Found dry. No sample collected								
	D/s	colour less	7.9	952	22	112	22	339.89	0.9	1.4
29.02.2020 (2 <sup>nd</sup> round)	U/s	160	7.5	420	54	360	120	69.97	0.8	1.5
	D/s	170	7.14	1420	168	880	280	549.82	2.4	3.2

**AND WHEREAS**, CPCB vide letters dated 16.10.2020 asked UPPCB 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 vide letters dated 24.10.2020 and 03.12.2020 informed CPCB that is strictly complying to ZLD norms and hence the Unit is not a source of pollution of Sot river. However, in order to avoid any accidental leakage from sewage lines, it is in the process of installing STP in the residential colony of the Unit; and

**WHEREAS**, third round of monitoring of Sot river was undertaken on 20.09.2020 and the analysis result of the samples collected from the stipulated upstream (U/s) and downstream (D/s) locations during the monitoring is as follows:

Location	Colour (Hz)	pH	TDS (mg/l)	TSS (mg/l)	COD (mg/l)	BOD (mg/l)	Cl <sup>-</sup> (mg/l)	NO <sub>3</sub> <sup>-</sup> (mg/l)	NH <sub>3</sub> -N (mg/l)
U/s	286	4.75	888	68	160	35	22	0.54	52.7
D/s	504	4.38	1888	142	5886	3400	340	1.83	49.2

(Contd.3/)

**AND WHEREAS**, CPCB vide letter dated 26.10.2020 informed Uttar Pradesh Pollution Control Board (UPPCB) about the findings of the monitoring report of the third round and asked UPPCB to take necessary action to ensure compliance of the concerned industry to zero liquid discharge (ZLD) norms and improvement in water quality of recipient river; and

**WHEREAS**, fourth and fifth round of monitoring of Sot river was undertaken on 03.10.2020 and 02.11.2020 respectively. The analysis result of the samples collected from the stipulated upstream (U/s) and downstream (D/s) locations during the two rounds are as follows:

Date of sampling	Location	Color (Hz)	pH	TDS (mg/l)	TSS (mg/l)	COD (mg/l)	BOD (mg/l)	Cl <sup>-</sup> (mg/l)	NO <sub>3</sub> <sup>-</sup> (mg/l)	NH <sub>3</sub> -N (mg/l)
03.10.2020 (4 <sup>th</sup> round)	U/s	736	4.76	878	176.8	680	130	169.9	2.4	16.4
	D/s	431	4.63	884	116.2	800	250	184.9	2.8	28.6
02.11.2020 (5 <sup>th</sup> round)	U/s	177	5.01	648	155	760	210	130.9	3.6	10.2
	D/s	195	4.22	894	492	2480	400	810	4.2	28.4

**AND WHEREAS**, CPCB issued letter dated 01.12.2020 to UPPCB to ensure that the quality of recipient water body shall not be deteriorated; and

**WHEREAS**, UPPCB issued Show Cause Notice dated 12.01.2021 under Section 33A to the Unit as to why the Unit should not be closed and environmental compensation should not be levied on it for deterioration of water quality of Sot river at its downstream location; and

**WHEREAS**, the sixth round of monitoring of Sot river was undertaken on 21.11.2020. The analysis results of the samples collected from the stipulated upstream (U/s) and downstream (D/s) locations are as follows:

Location	Colour (Hz)	pH	TDS (mg/l)	TSS (mg/l)	COD (mg/l)	BOD (mg/l)	Cl <sup>-</sup> (mg/l)	NO <sub>3</sub> <sup>-</sup> (mg/l)	NH <sub>3</sub> -N (mg/l)
U/s	56	7.79	734	27	40	11	205	3.6	1.8
D/s	145	5.93	1190	319	1280	310	4898.5	3.4	14.8

**AND WHEREAS**, based on the findings of the sixth round of monitoring, CPCB issued letters dated 01.02.2021 to the Unit and UPPCB to ensure restoration of water quality of Sot river; and

**WHEREAS**, seventh and eighth round of monitoring of Sot river was undertaken on 20.12.2020 and 29.01.2021 respectively. The analysis result of the samples collected from the stipulated upstream (U/s) and downstream (D/s) locations during the two rounds are as follows:

(Contd.4/)

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Date of sampling	Location	Color (Hz)	pH	TDS (mg/l)	TSS (mg/l)	COD (mg/l)	BOD (mg/l)	Cl <sup>-</sup> (mg/l)	NO <sub>3</sub> <sup>-</sup> (mg/l)	NH <sub>3</sub> -N (mg/l)
20.12.2020 (7 <sup>th</sup> round)	U/s	163	7.05	868	88	224	56	190	3.4	14.2
	D/s	512	6.01	892	146	1024	296	136.9	3.2	32.8
29.01.2020 (8 <sup>th</sup> round)	U/s	44	8.06	690	12	40	10	117	2.8	5.8
	D/s	82	6.96	848	56	288	80	155	3.6	33.6

**AND WHEREAS**, from the eight rounds of monitoring of water quality of Sot river at upstream and downstream of the Unit, it can be concluded that there is industrial contamination of Sot river due to which the average COD level of all eight rounds of monitoring was **1594 mg/l** and average BOD level of all eight rounds of monitoring was **630 mg/l** in the downstream location indicating severe deterioration in its water quality; and

**WHEREAS**, despite repeated action by CPCB and issuance of Show Cause Notice by UPPCB to the Unit, the water quality of Sot river continued to remain deteriorated in the 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. Uttar Pradesh Pollution Control Board (UPPCB) shall identify the cause for deterioration of water quality of Sot river at the downstream locations of the Unit.
2. UPPCB 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 Sot river.
3. UPPCB shall ensure implementation of a time bound action plan to ensure restoration of water quality of Sot river.

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

  
(SHIV DAS MEENA)  
CHAIRMAN

(Contd.5)

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Copy to:

1. **Director General,** : For kind information please  
National Mission for Clean Ganga,  
1<sup>st</sup> 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, Moradabad,** : For kind information please  
Civil Lines,  
Moradabad,  
Uttar Pradesh- 244001
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