

To,

The Chairman,

(Uttar Pradesh, Bihar, West Bengal, Jharkhand & Uttarakhand, Haryana,
Chhattisgarh, Madhya Pradesh and UT of Delhi)

Direction under section 18(1) (b) of the Water (Prevention & Control of Pollution) Act, 1974 to ensure water conservation and water management from Sugar Manufacturing Units

WHEREAS, among others, under Section 17 of the Water (Prevention and Control of Pollution) Act, 1974, one of the functions of the State Pollution Control Board (SPCB)/Pollution Control Committee (PCC), constituted under the Water (Prevention & Control of Pollution) Act, 1974 is to plan a comprehensive programme for prevention, control of abatement of pollution of streams and wells located in the State/UT and to secure the execution thereof; and

WHEREAS, the Central Government has notified the standards for discharge of environmental pollution from various categories of industries under the Environment (Protection) Act, 1986 and the rules framed thereunder; and

WHEREAS, the CPCB and SPCBs have been pursuing the polluting industries to install effluent treatment plants (ETPs) to comply with the effluent discharge standards as notified under the Environment (Protection) Act, 1986 and the Rules framed thereunder; and

WHEREAS, the SPCBs/PCCs can stipulate stringent standards for discharge of environmental pollution from various categories of industries than those notified by the Central Government, under the Environment (Protection) Act, 1986 and rules framed thereunder; and

WHEREAS, various industrial units including sugar manufacturing units located in the state of Uttarakhand discharge effluent in the River Ganga and its tributaries or in catchment of Ganga basin, which adversely affect the water quality of River Ganga; and

WHEREAS, CPCB issued direction dated 03-11-2014 under section 18 (1) (b) of the Water Act 1974 to all States including Uttarakhand Environment Protection & Pollution Control Board for ensuring the compliance given below as:

1. To ensure the operation of ETP at least one month before commencement of the next crushing season, stabilize and operate it as per the design criteria and also operate the ETP even after completion of the crushing season so that any effluent generated during washing and maintenance is discharged after proper treatment so that the treated effluent meets the prescribed standards prior to the disposal.
2. The unit shall not be permitted to start its operation in the next crushing season till the unit upgrades/modifies/augments/dismantles all illegal bypass lines and produce documentary evidence and assure the operation of the ETP as per the prescribed effluent quality norms.
3. Units shall upkeep the log book of ETP, energy meter system and establish an environmental laboratory to analyse minimum parameters.
4. The units shall implement all the necessary measures to reduce wastewater generation to 100 litres per tonne of cane crushed and time bound action plan for zero liquid discharge (ZLD) option.
5. The boiler stacks in Sugar units shall be provided with adequate monitoring arrangement as per CPCB document: COINDS/18/1984-85 & Emission Regulations Part III.
6. The units shall obtain consent under Water Act and Air Act from State Board and adhere to all the stipulated conditions before commencements of operation in the next season.
7. The records of water consumption, wastewater generation, and operation and maintenance of ETPs shall be maintained.
8. The units shall inform the action plan for proposed rain water management system.
9. The progress in implementing the earlier directions dated February 5, 2014, towards installing online effluent quality monitoring system at the outlet of effluent treatment plants in the sugar units to be reported.

WHEREAS, under the National Ganga River Basin Authority (NGRBA) it has been decided to address the issue of pollution of river Ganga in a comprehensive and time bound manner; and

WHEREAS, the Hon'ble Prime Minister's Office reviewed the progress made in the activities of the NGRBA and has identified thrust areas, including ensuring zero liquid discharge and water conservation and management from feasible industrial sectors; and,

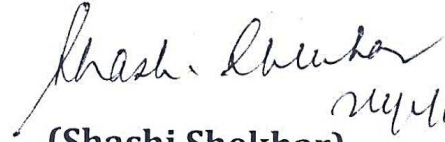
Now Therefore, in view of the above and in exercise of the powers conferred under section 18 (1) (b) of the Water (Prevention and Control of Pollution) Act, 1974, you are hereby directed to take adequate steps to implement the following directions in the Sugar

Manufacturing units in the state to ensure that water conservation and management is achieved;

1. All the Units in the State shall be directed to achieve following compliance as:
 - (i) Waste water generation to be limited to 40 l/Tonne of cane crushed by next crushing season or before **November 2015**
 - (ii) Establish mini cooling tower or polishing tank for recycling the excess condensate water to process/utilities/allied units by **November 2015**.
 - (iii) Upgrade ETP system to meet the discharge standards for irrigation by **November 2015**.
 - (iv) All industries has to submit the irrigation plan before the starting of next crushing season **(2015-16)**
 - (v) No treated effluent will be discharged into drain or river henceforth. Treated effluent will be re-used in the process or to be used for irrigation purpose after meeting the standards.
 - (vi) The 'Consent to operate' (CTO) issued/to be issued to all the Sugar manufacturing units in the State shall be suitably modified within **10 working days**, incorporating the above conditions and time schedule as above. The validity of the 'Consent to Operate' shall be linked with the compliance of the directions such that the consent issued to industries, those failed to comply shall **stand automatically withdrawn**.
 - (vii) Review of the progress has to be monitored by State Pollution Control Board in **August 2015 and October 2015** and industries willing to adhere to the time schedule and conditions above, only to be permitted to operate in the next crushing season and all other industries CTO stand withdrawn automatically.
 - (viii) The copies of directions/correspondences/action plan submitted by the industries for implementation of above directions shall be endorsed to CPCB along with the updated list of Sugar manufacturing units in the State.
2. The present direction shall supersede all the previous directions from CPCB related to Zero Liquid discharge in the Sugar manufacturing sector.
3. The progress achieved in ensuring compliance to implement the earlier directions dated February 5, 2014, towards installing online effluent quality monitoring system at the outlet of effluent treatment plants and details of progress achieved on nine specific points mentioned above, by individual units, as per the direction dated 03-11-2014 shall be reported.
4. **It may be noted, as you are aware, that such a commitment for achieving zero liquid discharge by Sugar manufacturing units / GPIs in the Ganga Basin is being submitted time to time before the Hon'ble Supreme Court of India and**

the Hon'ble NGT, Delhi in the related litigations pending before the Hon'ble Courts.

5. The action taken report shall be submitted within **10 working days** from the date of receipt of these directions.


(Shashi Shekhar)
Chairman

Copy to:

- 1) **The Mission Director,**
National Mission for Clean Ganga,
Ministry of Water Resource, River Development & Ganga Rejuvenation,
Rear Wing, 3rd Floor, MDDS Building,
9, CGO Complex, Lodi Road, New Delhi - 110003
- 2) **The Advisor (CP Division)**
Ministry of Environment, Forest & C.C
Prithvi Block, Indira Paryavaran Bhawan,
Jorbagh Road, New Delhi - 110 003
- 3) **The In-charge, Zonal Office**
Central Pollution Control Board
PICUP Bhawan, Ground Floor
Vibhuti Khand, Gomati Nagar,
Lucknow - 226 010
- 4) The In-charge, PAMS Division, CPCB
- 5) The In-charge, PCI-III Division, CPCB
- 6) The In-charge, PCI-SSI Division, CPCB
- 7) The In-charge, NGRBA Cell, CPCB
- 8) The In-charge, IT Division, CPCB


(A B Akolkar)
Member Secretary