

SPEED POST

B-190197/NGRBA (RG)/CPCB/Sugar/07/2016-17

November 6, 2017
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To,

M/s Bharat Sugar Mill Limited
(Prop Upper Ganges Sugar & Industries Ltd.)
P.O Sidhwalia, Gopalganj
Bihar-8414231

DIRECTION UNDER SECTION 5 OF THE ENVIRONMENT (PROTECTION) ACT, 1986

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

WHEREAS, the Ministry of Environment, Forests & Climate Change, Govt. of India, vide notification S.O.157 (E) of 27.02.1996 has delegated powers vested under Section 5 of the Environment (Protection) Act, 1986 (29 of 1986) to the Chairman, Central Pollution Control Board (CPCB), to issue direction to any industry, Municipal Corporation, Municipal Council, Cantonment Board to any local or other Authority for the violation of emission and effluent standards notified under the Environment (Protection) Rules, 1986; and

WHEREAS, it is obligatory on the part of 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 there under and also to meet the consent conditions granted by State Pollution Control Board (SPCBs) / Pollution Control Committees (PCCs); and

WHEREAS, M/s Bharat Sugar Mill Limited, Gopalganj, Bihar (hereinafter referred as 'the Unit') is involved in the process of sugar manufacturing from crushing of cane; and

WHEREAS, the Unit was inspected by the officials of Central Pollution Control Board (CPCB) on 08.01.2017, and observed the following:

- i. ETP system consists of equalization tank, primary clarifier, aeration tank, secondary clarifier. The unit has failed to upgrade the ETP up to the tertiary treatment.
- ii. Analysis of treated effluent collected from the outlet of ETP shows TSS- 164 mg/l (against norms of 100mg/l), which indicates non-compliance with the prescribed effluent discharge norms under Environment (Protection) Rules, 1986.
- iii. The Unit has not installed the flow-measuring device at water extraction points.
- iv. The Unit is not maintaining logbook for waste water generation.
- v. The Unit has provision of unlined lagoon of capacity 15000 cum for storage of treated effluent, which may pose potential threat to ground water pollution.

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AND WHEREAS, CPCB issued show cause notice for closure dated 12.04.2017 to the unit; and

WHEREAS, the Unit's reply dated 28.04.2017 was examined and following observation made:

- a) The Unit has installed the Dual media filter and activated carbon filter for the tertiary treatment process and provided the photographic evidence of these above-mentioned units.
- b) The Unit has installed the flow measuring device at water extraction points but no documentary evidence was provided.
- c). The Unit has constructed a pucca lagoon with polythene liner to prevent potential threat to ground water pollution.

AND WHEREAS, Central Pollution Control Board issued direction dated 05.06.2017 under Section 5 of the Environment (Protection) Act, 1986, the Unit (M/s Bharat Sugar Mill Limited, Gopalganj, Bihar) is directed to comply with the following directions ;

1. The Unit shall remain closed till compliance with the following directions.
 - i. The Unit shall submit the following reports to CPCB duly validated by reputed institutions like National Sugar Institute, Kanpur/Vasandada Sugar Institute, Pune /IITs;
 - a. ETP adequacy assessment reports;
 - b. time bound action plan for ETP augmentation & upgradation upto tertiary treatment level; to comply with the standards notified G.S.R. 35 (E), MoEF &CC, January 14, 2016 for effluent disposal, & wastewater conservation.
 - c. water audit and mass balance report to establish waste water generation rate;
 - d. action plans to achieve the notified effluent discharge quality and generation standards.
 - e. Irrigation management plan as per the new notified standards on January 14, 2016; and
 - ii The Unit shall restrict the storage capacity of lined lagoon upto 15 days of effluent generation.
 - iii The Unit shall meet the BOD-30mg/l standards for discharging any effluent on land /surface water body whereas effluent stored in lined lagoons/tanks of capacity not more than 15 days shall comply with BOD-100 mg/l standards.
2. The Unit shall stabilize the ETP by September 2017 before commencing of the new crushing season. The unit will not be allowed to resume manufacturing operations till stabilization of ETP system.

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3. The Unit shall upgrade of process technology, ETP system & adapt the best practice in a time bound manner and submit a report to CPCB.
4. The Unit shall seek permission from CPCB, after compliance with the above mentioned direction before resumption of manufacturing operations.

AND WHEREAS, the Unit has submitted the adequacy reports validated by VSI, Pune on 06.10.2017; and.

WHEREAS, in the review meeting held with the sugar mills on 12.10.2017 at CPCB, Delhi, it was informed that the unit has started the stabilization of the ETP since 25th September, 2017; and

WHEREAS, CPCB constituted a Three-member committee vide office order dated 27.09.2017 having representative from CPCB, MoEF &CC and NMCG for examination and recommendation for revocation of the closure direction issued by CPCB; and

WHEREAS, the Three member committee in its meeting held on 24.10.2017 examined the adequacy report of the Unit and recommended that the Unit may be allowed to resume operation the unit and shall implement the recommendations of the adequacy report and get it verified including performance assessment of the ETP system by the same institute which carried out the adequacy assessment and submit the same to CPCB within 45 days of resumption of operation;

AND NOW, THEREFORE, in view of the above observation, and exercising powers delegated to the Chairman, Central Pollution Control Board under Section 5 of the Environment (Protection) Act, 1986, the Unit M/s Bharat Sugar Mill Limited, Gopalganj, Bihar) is directed to comply with the following directions ;

1. The Unit shall start its operation only after obtaining valid consent from the concerned State Pollution Control Board.
2. The Unit shall submit an undertaking on stamp paper with duly notarised/ signed by Oath Commissioner within a week for not bypassing any type of untreated effluent even on their own land.
3. The Unit shall submit action plan within 15 days to implement the recommendations (including the general observation) of the adequacy report within 45 days.
4. The Unit shall install & Commission ETP system upto tertiary treatment level including adequate treatment system for spray pond overflow effluent in case of double sulphitation process (Brine recovery system to be installed in case of sugar refinery having Ion Exchange Process for sugar melt de-colorization).
5. The Unit having high pressure boiler (>45 Kg/cm²) shall install & Commission Condensate Polishing Unit (CPU) within 45 days for treatment of condensate water to ensure its reuse & recycle within the process.
6. The Unit shall restrict the effluent storage capacity to 15 days.
7. The Unit shall utilise treated effluent meeting the prescribed norms for irrigation as per the irrigation management plan validated by expert institutions namely, NSI, Kanpur/ VSI, Pune/ Agricultural Institutions.

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8. The Unit shall implement the observation and recommendation of the adequacy report within 45 days.
9. The Unit shall get the verification of implement status of the recommendation of adequacy report including ETP performance assessment & effluent generation assessment done by the same institute which carried out adequacy assessment and submit the report to CPCB within 45 days from date of resumption of manufacturing operations.
10. The analysis result of the treated effluent shall also be submitted within 45 days through EPA recognised laboratories.
11. If the Unit fails to provide the verification report duly validated by the expert institutions, the unit shall automatically stop all its manufacturing operations after 45 days from date of resumption of manufacturing operations.

In case of default in compliance with the above directions, CPCB will be constrained to initiate action against the Unit (M/s Bharat Sugar Mill Limited, Gopalganj, Bihar), in accordance with the provisions of the Environment (Protection) Act, 1986, without giving any further notice.


(S.P. SINGH PARIHAR)
CHAIRMAN

Copy to:

1. **The Member Secretary,**
Bihar State Pollution Control Board,
2nd floor, Beltron Bhavan,
Jawaharlal Nehru Marg, Shahstri Nagar,
Patna, Bihar - 800 023
2. **District Magistrate**
Gopalganj, Bihar
3. **The Advisor (CP Division)**
Ministry of Environment, Forest & C.C
Prithvi Block, Indira Paryavaran Bhawan,
Jorbagh Road, New Delhi - 110 003
4. **The Executive Engineer**
North Bihar Power Distribution Company Limited
Gopalganj, Bihar

:For information please

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5. **Regional Director**
Regional Directorate,
Central Pollution Control Board PICUP Bhawan,
Ground Floor, Vibhuti Khand, Gomti Nagar,
Lucknow - 226 010.
6. The In-charge IPC-III Division, CPCB Delhi
- ✓ 7. The In-charge IT Division, CPCB Delhi
8. Guard file, WQM-II, CPCB Delhi


(A. SUDHAKAR)
MEMBER SECRETARY