

SPEED POST

B-190198/NGRBA(RG)/CPCB/Distillery/20/2016-17 15904 January 2nd, 2018

To,

M/s Harinagar Sugar Mills Ltd., (Distillery Division)
P.O.Harinagar, P.S.Ramnagar
Dist West Champaran,
Bihar - 845103

SHOW CAUSE NOTICE 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, 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 Harinagar Sugar Mills Ltd., (Distillery Division) Bihar, (hereinafter referred as 'the Unit') is involved in the manufacturing process of extra neutral alcohol and rectified spirit using molasses as raw material and;

WHEREAS, CPCB issued direction dated 05.04.2017 to close down manufacturing operations of the unit until installing required online monitoring devices and providing connectivity to CPCB; and

WHEREAS, the unit vide letter dated 05.05.2017 informed that the unit had installed flow meters and cameras required for ZLD units and has provided connectivity of these systems to CPCB server, and the same has been verified by the IT Division in CPCB.

WHEREAS, CPCB issued revocation direction dated 24-05-2017 to the unit along with direction for compliance with the following:

1. The unit shall submit following reports duly validated by reputed institutions like National Sugar Institute, Kanpur, Vasantdada Sugar Institute, Pune and IITs to CPCB and Bihar SPCB within 60 days:

(Contd..2/-)

- a) Adequacy assessment of the manufacturing technology and ZLD system comprising of Biomethanation, RO, MEE, composting/incineration system and steam availability, etc.
 - b) Water audit and mass balance reports to establish spent wash generation rate,
 - c) Action Plans to achieve Zero Liquid Discharge(ZLD),
 - d) To restrict lined effluent storage capacity to 30 days, and
 - e) Assessments of availability of press mud, compost yard, composting process, sell of compost and compost quality.
2. The unit shall install mass flow meters at inlet of ROs/MEE, outlet of MEE and to make arrangement for continuous online transmission of spent wash flow measurements (namely Weak Spent Wash, Strong Spent Wash)/ web camera data of Spent Wash generation, concentration & MEE operation by providing linkage to CPCB & SPCBs servers within 75 days.
 3. The unit shall identify recipient drains/ rivulets and their u/s & d/s locations in consultation with Bihar SPCB for monthly monitoring by industry to ensure ZLD from distilleries within 30 days. The monitoring report shall be submitted to CPCB on monthly basis.
 4. The unit will provide documentary support for procurement/ availability of press mud, sell of compost and compost quality on monthly basis (by 10th of every month) to CPCB/Bihar SPCB

AND WHEREAS, unit submitted adequacy assessment report prepared by NSI, Kanpur on 18.09.2017 and as per the adequacy assessment report, following observations are made;

1. The unit has adopted fed batch fermentation along with total vacuum system distillation.
2. The effluent treatment technology adopted by the unit is adequate.
3. Raw spent wash generated is estimated to be 9.0 litres per litre of alcohol. The unit should take appropriate measures to reduce spent wash generation/litre of alcohol.
4. Analysis of raw spent wash and concentrated spent wash has to be done regularly for important parameters and has to be maintained in log book.
5. The installation of mass flow meters at the inlet and outlet of MEE is underway as per the unit's letter to CPCB on 11.11.2017.
6. The unit has to develop analytical facilities along with trained staff having environmental background.
7. The unit has identified the recipient rivulet and has provided monitoring reports of u/s and d/s locations for June, August, September and October, 2017.
8. The unit has provided copy of records of alcohol/rectified spirit production, spent wash generation (namely weak spent, strong spent wash) for the period from April to November, 2017 vide letter dated 11.12.2017.
9. The unit has provided details of total press mud generated and utilized as well as total biocompost produced and sold for the period from April to November, 2017 vide letter dated 11.12.2017.

AND WHEREAS, the unit has not complied with the following CPCB directions issued on 24.05.2017:

1. The unit has not established connectivity of mass flow meters for continuous online transmission of spent wash flow measurements (namely Weak Spent Wash, Strong Spent Wash)/ web camera data of Spent Wash generation, concentration & MEE operation to CPCB servers.

(Contd..3/-)

2. The unit has not provided monitoring reports of the identified recipient drains at u/s & d/s location on monthly basis (by 10th of every month) to CPCB.

AND WHEREAS, the unit is required to implement following measures besides other pollution control measures:

1. To establish connectivity of mass flow meters for continuous online transmission of spent wash flow measurements (namely Weak Spent Wash, Strong Spent Wash)/ web camera data of Spent Wash generation, concentration & MEE operation to CPCB & Bihar SPCB servers within 15 days.
2. To carry out monthly monitoring of the identified recipient drain at u/s and d/s locations through lab recognised under Environment (Protection) Act, 1986 and to submit the analysis report on monthly basis (by 10th of every month) to CPCB/Bihar SPCB.
3. To provide copy of records of alcohol/rectified spirit production, spent wash generation (namely weak spent, strong spent wash) details of MEE operations, mass flow meter readings connected with CPCB server etc. on monthly basis (by 10th of every month) to CPCB/Bihar SPCB in the prescribed format.(Format attached herewith)
4. To take appropriate measures to reduce spent wash generation/litre of alcohol as per recommendations of the adequacy report.
5. To develop analytical facilities along with trained staff having environmental background within 6 months.
6. To carry out analysis of raw spent wash and concentrated spent wash of important parameters such as pH, COD,BOD, solid content etc., on a regular basis and to maintain a log book for the same.
7. To use concentrated spent wash: press mud ratio of 1:1.6 and shall provide documentary support for procurement/ availability of press mud, sell of compost and compost quality on monthly basis (by 10th of every month) to CPCB/Bihar SPCB in the prescribed format.(Format attached herewith).
8. To submit the implementation status report of action taken against the recommendation of adequacy report within 15 days and to submit the revalidated adequacy assessment report carried out by the institute which has conducted adequacy of assessment and submit the reports within 45 days after resumption of operation.

AND NOW, THEREFORE, in view of the unit's non-compliance to CPCB directions dated 24-05-2017, and in exercise of the powers delegated to the Chairman, CPCB under section 5 of the Environment (Protection) Act, 1986, notice is served herewith to **show cause why the Unit should not be closed down** until all the necessary pollution control measures are planned and implemented so as to comply with the directions dated 24-05-2017 to the satisfaction of CPCB and also **why not environmental compensation should be charged**.

You are hereby given an opportunity to file your objections (if any) to the above proposed

(Contd..4/-)

direction within 15 days from the receipt of this notice, failing which appropriate action shall be taken against the Unit without giving any further notice, in accordance with provisions of the Environment (Protection) Act, 1986.


(S. P. Singh Parihar)
CHAIRMAN

Copy to:

1. **The Member Secretary**
Bihar State Pollution Control Board,
Beltron Bhawan, Shastri Nagar,
Patna – 800 023 : With request to ensure that unit
complies with the Directions.
2. **The Advisor (CP Division)**
Ministry of Environment, Forest & C.C
Prithvi Block, Indira Paryavaran Bhawan,
Jorbagh Road, New Delhi – 110 003 : For kind information, please
3. **The Regional Director, East**
Regional Directorate
Central Pollution Control Board
Southernd Conclave, Block 502,
5th & 6th Floors 1582 Rajdanga Main Road
Kolkata – 700 107(W.B.) : For follow up and ensuring
compliance
4. **The District Magistrate,**
West Champaran -Bihar : For kind information, please
5. The In-charge, IT Division, CPCB
6. Master file/Guard file, WQM II, CPCB, Delhi


(A Sudhakar)
MEMBER SECRETARY

