

**Speed Post**

B-190198/NGRBA(RG)/CPCB/Distillery/14/2016-17

12333

23<sup>rd</sup> October, 2018

6<sup>th</sup> Nov, 2018

To

**M/s Simbhaoli Sugars Limited,  
(Distillery Division)  
Simbhaoli, Hapur-District  
Uttar Pradesh-245207**

**Revocation of 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**, 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**, 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**, M/s Simbhaoli Sugars Ltd. (Distillery), Uttar Pradesh (hereinafter referred as 'the Unit') is involved in the production of extra neutral alcohol and rectified spirit using molasses as raw material ; and

**WHEREAS**, CPCB issued closure direction dated 25 July, 2017 under section 5 of Environment (Protection) Act, 1986, to the unit to comply with the following directions;

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 UPPCB within 60 days:
  - a) Assessment of the manufacturing technology for spent wash generation and adequacy assessment of ZLD system comprising of Biomethanation, RO, MEE, composting/incineration system and steam availability, etc.

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- 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, excess available capacities shall not be used
  - e) Assessments of availability of press mud, compost yard, composting process, sell of compost and compost quality.
2. The unit shall provide undertaking for not discharging effluent into the drain and shall be closed during rainy season. There should not be any overflow from the lagoon.
  3. The unit shall install mass flow meters with totalizer 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 & UPPCB servers within 75 days.
  4. The unit will provide documentary support for procurement/ availability of press mud, sell of compost and compost quality on monthly basis (by 10<sup>th</sup> of every month) to CPCB/UPPCB.
  5. The unit shall submit the documentary evidence for cleaning of Phuldera drain within 10 days from recipient of the directions.
  6. The unit shall identify recipient drains/ rivulets in addition to Phuldera drain and their u/s & d/s locations in consultation with UPPCB for monthly monitoring by industry to ensure ZLD from distilleries within 30 days. The monitoring report shall be submitted to CPCB on monthly basis.
  7. The unit shall resume its operation after obtaining a valid consent copy.
  8. The unit shall seek permission from CPCB, after compliance with the above mentioned directions before resumption of manufacturing operations.

**AND WHEREAS**, the unit vide letter dated 03.10.2017, submitted adequacy assessment report by NSI, Kanpur which was examined and following observations were made;

1. The factory has adopted fed batch fermentation along MPR distillation.
2. The factory has adopted concentration of BMSW with RO plant working in conjunction with MEE.
3. The unit is recycling its process condensate, lease etc. in factory operation.
4. The unit has installed magnetic flow meter at spent wash generation and SLOP consumption to bio-compost.
5. The unit has installed mass flow meter at inlet and outlet of MEE and provided connectivity to CPCB Server.

**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 16.11.2017 examined the case of the unit and recommended for inspection of the unit for compliance verification; and

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**WHEREAS**, the unit was inspected by the officials of CPCB, on 21.11.2017 for the verification of compliance by the unit and following observations were made;

1. The unit was found non-operational at the time of inspection.
2. The unit has installed separate flow meter at various unit operations.
3. The unit has installed system for treatment to reduce fresh water usage and reduction in effluent quality.
4. The unit has repaired the damaged bio-compost yard.

**AND WHEREAS**, the three member committee in its meeting held on 30.11.2017 examined the adequacy report of the unit and recommended that the unit may be allowed to resume operation along with following recommendations;

1. Committee examined the inspection report carried out on 22.11.2017 and noted that the recommendations of the adequacy report have been completed by the unit.
2. The committee was apprised about NGT order dated 16.10.2016 in the OA no.299 of 2013 in the matter of Krishan Kant Singh & Anr. Vs. National Ganga River Basin Authority & Ors. and its implementation through the special committee constituted to spent the compensation amount deposited by the unit. The committee was apprised that as per order, the unit was required to install incinerator within a period of 6 months from the date of passing of order. However, if the committee is of the opinion that it was possible to dispense with the condition of installation of incinerator, and then it may recommend to this Tribunal for waiver of such condition. However, 2<sup>nd</sup> visit during operational condition is still to be carried out by the special committee.
3. The unit may be allowed to operate for three months and within such period the unit may be visited by the special committee.
4. The unit shall restrict its overall lagoons capacity 30 days of spent wash generation.

**AND WHEREAS**, CPCB issued direction dated 19/12/2017 under section 5 of the Environment (Protection) Act, 1986, to comply with the following directions;

1. The unit may resume its manufacturing operations for three months only after obtaining valid consent from UPPCB and shall report to CPCB about date of resumption of operation.
2. The unit shall restrict its overall lagoons capacity up to 30 days of spent wash generation and excess lagoon capacity shall be dismantled.
3. The unit shall submit documentary evidence for cleaning of Phuldera drain within 10 days from the recipient of the direction.
4. The unit shall provide documentary support for procurement/availability of press mud, sale of compost and compost quality on monthly basis (by 10<sup>th</sup> of every month) to CPCB/UPPCB in the prescribed format (enclosed).
5. The unit shall identify recipient drains/rivulets in addition to Phuldera drain and their u/s & d/s locations in consultation with UPPCB for monthly monitoring by industry to ensure ZLD from distilleries within 30 days. The monitoring report shall be submitted to CPCB on monthly basis.

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6. The unit shall 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 10<sup>th</sup> of every month) to CPCB/UPPCB.
7. The unit shall carry out monthly monitoring of the identified recipient drains at u/s & d/s location through lab recognised under Environment (Protection) Act, 1986 and shall submit the analysis report on monthly basis ( by 10<sup>th</sup> of every month) to CPCB/UPPCB.
8. The unit shall submit the revalidated adequacy assessment report while the unit is in operation by the same institute which has conducted adequacy of assessment within 45 days after resumption of operation.

**AND WHEREAS**, the 2<sup>nd</sup> visit of the special committee was conducted on 26.6.2018 and following observations are made;

1. The unit has two ground water extraction wells to meet its water requirements. Flow meters have been installed on both the bore wells.
2. The previous laid concrete pipe line across the Ganga canal was found dismantled.
3. The unit has generated 51,537 KL of raw spent wash during January -May 2018, out of which only 36% of spent wash (18589 KL) was fed to Multi Effect Evaporator (MEE), which indicates partial operation of MEE and the unit has used part of bio-methanted spent wash (32948 KL) in the Bio-composting without volume reduction through MEE.
4. MEE operation for 20 hours per day at flow rate of 23.0 KL / hr (displayed during inspection) could have taken 112 days for treatment of spent wash.
5. Area requirement for utilization of spent wash for Bio-composting corresponding to consented production of **60 KLD**, is 17.44 acres. The total area available for bio-composting (including press mud storage) is 22.71 acres, which is **adequate**.
6. For installed production capacity of **90KLD**, the spent wash generation work out to be 921.15KLD, for which MEE capacity and available area for bio-composting are **not adequate. Therefore, incinerator boiler will be required for increased production capacity of 90 KLD.**
7. No by-pass of effluent was observed.
8. The unit has installed mass flow meters with totalizer at the inlet and outlet of MEE.
9. Existing total storage capacity of three lagoons is 43000 KL.
  - a) For consented capacity of Alcohol production 60KLD, spent wash storage capacity for 70 days is available, which is not in line with 30 days storage capacity as per CPCB directions dated 19.12.2017.
  - b) For installed capacity of Alcohol production 90KLD, spent wash storage capacity for 47days is available, which is not in line with 30 days storage capacity as per CPCB directions dated 19.12.2017.
10. Systems installed for treatment and utilization of spent wash corresponding to 60KLD of alcohol production capacity are adequate, therefore incinerator boiler is not required, provided the unit does not exceed the consented production 60 KLD. However, for installed capacity 90 KLD alcohol production, the incinerator boiler is required for handling of spent wash.

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11. As per the analysis report of MEE condensate, it is recommended that the unit shall install condensate polishing unit (CPU) for the treatment of MEE condensate.
12. The unit should be allowed only 60 KLD alcohol production capacity. Enhancement to 90 KLD can be examined only after installation of incineration boiler.

**AND WHEREAS,** The Three member committee in its meeting held on 04.10.2018 examined vide report of the special committee dated 26/06/2018 and recommended that the unit may be allowed to resume its operation along with following recommendations;

1. The unit is recommended to operate at production capacity of 60 KLD.
2. Performance audit report is to be submitted from Govt. expert institute within 45 days from start of operation.

**AND NOW THEREFORE,** in view of the above observations and in exercise of powers delegated under Section 5 of the Environment (Protection) Act, 1986, the unit (M/s Simbhaoli Sugars Ltd.) is allowed to resume its manufacturing operations and shall comply with the following;

1. The unit is recommended to operate at production capacity of 60 KLD.
2. The unit shall carry out performance audit of the present facilities for spent wash management/ZLD as well as for treatment of MEE condensate in order to assess suitability for use in molasses dilution through reputed Govt. institute and report shall be submitted within 45 days from the start of operation.
3. The unit shall stop the practice of using raw spent wash (without treatment) directly in bio-composting
4. The unit shall complete the commissioning of CPU within stipulated time.
5. The unit shall restrict its storage capacity up to 30 days for concentrated spent wash generation. Additional storage capacity shall be earmarked & shall not be utilised.
6. The unit shall start its manufacturing operations after obtaining valid consent from UPPCB.

In case of default in compliance with the above directions by the Unit, CPCB will be constrained to initiate appropriate action against the unit (M/s Simbhaoli Sugars Ltd.), in accordance with the provisions of the Environment (Protection) Act, 1986.

  
**(S.P Singh Parihar)**  
CHAIRMAN

Copy to:

1. **The Chairperson**  
Uttar Pradesh Pollution Control Board,  
Building No. TC-12V, Vibhuthi Khand,  
Gomti Nagar, Lucknow – 226 010 :With request to ensure that  
the unit compliance with the  
directions
2. **Joint Secretary (CP Division)**  
Ministry of Environment, Forest & C.C  
Prithvi Block, Indira Paryavaran Bhawan,  
Jorbagh Road, New Delhi – 110 003 : For kind information please

**(Contd..6/-)**

3 **Regional Director**  
Regional Directorate  
Central Pollution Control Board  
PICUP Bhawan, Ground Floor, Vibhuti Khand,  
Gomti Nagar, Lucknow - 226 010

:For follow up and ensuring  
compliance

4 **District Magistrate,**  
Hapur -Uttar Pradesh

:With request to ensure  
compliance of the direction

5 **Executive Engineer/SE**  
Urja Bhawan  
Paschimanchal Vidyut Vitran Nigam Ltd.,  
Victoria Park, Meerut -250001

: With request to re-connect the  
power supply for industrial  
operations

6 ✓ In-charge, IT Division, CPCB

7 Master file/Guard file, WQM II, CPCB Delhi

  
**(Prashant Gargava)**  
MEMBER SECRETARY