

**Speed Post**

B-190198/NGRBA(RG)/CPCB/Distillery/42/2016-17 2278

May 28, 2018  
June 04

To,

M/s Sonasati Organics Pvt. Ltd.,  
Rajapatti Kothi, Baikunthpur  
Distt-Gopalganj,  
Bihar

**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, 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 thereunder and also to meet the consent conditions granted by State Pollution Control Board (SPCBs) / Pollution Control Committees (PCCs); and

**WHEREAS**, M/s Sonasati Organics Pvt. Ltd., (Distillery Division), Bihar (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 direction dated June 05, 2017 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 SPCB within 60 days:
  - a) Assessment of the manufacturing technology for generation of spent wash and adequacy assessment of 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

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M/s Sonasati Organics Pvt. Ltd., (Distillery Division), Bihar

- 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 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 & BSPCB servers within 75 days.
3. The unit shall identify recipient drains/ rivulets and their u/s & d/s locations in consultation with 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 10<sup>th</sup> of every month) to CPCB/BSPCB.

**WHEREAS**, unit has submitted the adequacy assessment report validated by VSI, Pune dated 08.09.2017 and as per the adequacy assessment and as per the assessment report, following observations are made;

1. The unit has adopted fed batch along with MPR distillation. Based on the production data collected and specifications of fermenters, the unit is having adequate capacity of fermentation section.
2. The unit is treating its process condensate, spent lees and other colourless effluent in condensate polishing unit.
3. The spent wash generation is estimated to be 7.93 L/L of alcohol production.
4. The unit has installed magnetic flow meter for evaporation plant feed, for concentrated spent wash outlet from evaporation plant, for evaporation condensate, and at CPU outlet flow meter.
5. The unit has place order for mass flow meter.
6. The unit has installed 06 piezometers in the distillery premises at different location.
7. On line monitoring system is operational and connected to the server to CPCB.
8. The unit has identified the recipient drains, rainy season Nala, which is about 200 mtrs upstream towards west direction & downstream towards east direction.

**AND WHEREAS**, the unit (M/s Sonasati Organics Pvt. Ltd., (Distillery Division), has not complied with the following CPCB direction issued June 05, 2017;

1. The unit has not provided the connectivity of mass flow meters at the raw spent wash generation.
2. The unit has not provided the connectivity of online monitoring systems to CPCB.
3. The unit has not carried out monitoring of the identified recipient drains at u/s & d/s location through Environment Protection Act, 1986 recognised lab to submit the analysis report on monthly basis ( by 10<sup>th</sup> of every month) to CPCB/SPCB.

**AND WHEREAS**, CPCB, issued closure direction to the unit dated 19 April, 2018 to comply with the following directions:

1. Installation of online devices (web camera, mass flow meter and particulate matter) and provide connection to CPCB/UPPCB server for continuous supply of data transmission.

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2. To provide the connectivity of web cameras to CPCB server.
3. To complete installation & establishing connectivity of mass flow meter at the inlet and outlet of MEE within 15 days from the date of issuance of direction and shall provide connectivity of mass flow meter to CPCB /SPCB server.
4. The unit shall analysed raw spent wash, untreated and treated process condensate water regularly.
5. 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 10<sup>th</sup> of every month) to CPCB/SPCB in the prescribed format (enclosed).
6. To carry out monthly monitoring of the identified recipient drains at u/s & d/s location through Environment Protection Act, 1986 recognised lab and shall submit the analysis report on monthly basis ( by 10<sup>th</sup> of every month) to CPCB/SPCB.
7. To take proper care of green belt surrounding near the spent wash storage tank.
8. To strictly avoid any contamination of spent wash with water of adjacent nalla.
9. For smooth functioning of standalone evaporation plant, it is advisable to add two bodies as standby evaporators one for first three effects and another for last three effects
10. To submit the implementation status report of action taken against the recommendation of adequacy report within 15 days and shall 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 the issue of the direction.
11. The unit shall seek permission from CPCB before resumption of operations after compliance of the above directions.

**AND WHEREAS**, the unit was inspected by the officials of CPCB Kolkata on 10.01.2018, during inspection the unit was found closed; and

**WHEREAS**, the unit reply vide letter dated 08.05.2018 was examined & following observations are made;

1. The unit has provided the connectivity of online monitoring systems to CPCB, and the same has been verified by the IT Division, CPCB.
2. The unit has submitted the analysis report of the drain for the month of May, 2018.
3. The unit has provided the data of alcohol production for the month of March, April and May, 2018.
4. The unit has done proper plantation near the spent wash storage tank.
5. The unit has paid advance for installation and early installation of new evaporation plant.
6. The unit has made request to VSI Pune for the revalidation of adequacy assessment.

**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

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**WHEREAS,** The Three member committee in its meeting held on 18.05.2018 examined the report of the unit and recommended that the unit may be allowed to resume operation along with the condition that the unit shall submit the month wise data of underground water monitoring along with nearby drain and submit the analysis report to CPCB.

**NOW, THEREFORE,** in view of the above and exercising powers delegated to the Chairman, Central Pollution Control Board (CPCB) under section 5 of the Environment (Protection) Act, 1986, the unit is directed to resume its manufacturing operations and shall comply with the following;

1. To submit the month wise data of underground water monitoring along with nearby drain and submit the analysis report to CPCB.
2. To submit the analysis report of the identified recipient drains on monthly basis (by 10<sup>th</sup> of every month) to CPCB/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 10<sup>th</sup> of every month) to CPCB/SPCB.
4. To submit revalidated adequacy assessment report carried out by the institute which has conducted adequacy assessment and submit the report within 10 days after recipient the direction.

In case of default in compliance with the above directions or any other exigencies, CPCB will be constrained to initiate further stringent action against the Unit, in accordance with the provisions of the Environment (Protection) Act, 1986, without any further notice.

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**(S. P. SINGH PARIHAR)**  
CHAIRMAN

**Copy to;**

1. Member Secretary : With request to ensure that the unit  
Bihar State Pollution Control Board, complies with the directions  
Beltron Bhawan, Shastri Nagar,  
Patna – 800 023
2. Joint Secretary : For Kind information, please  
Ministry of Environment, Forest & C.C  
Prithvi Block, Indira Paryavaran Bhawan,  
Jorbagh Road, New Delhi – 110 003

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- 3 Regional Director, East : For follow up and ensuring  
Regional Directorate compliance  
Central Pollution Control Board  
Southern Conclave, Block 502,  
5<sup>th</sup> & 6<sup>th</sup> Floors 1582 Rajdanga Main Road  
Kolkata – 700 107(W.B.)
- 4 Chief Engineer, : With request to re-connect the  
Bihar Power Distribution Company Ltd. power supply for industrial  
14, Jadopur Road, Gopalganj- 841428 operations.
- 5 The District Magistrate, With request to ensure the closure  
Gopalganj-Bihar direction
- 6 In-charge, IT Division, CPCB : For follow up please
- 7 Master file/Guard file, WQM II, CPCB, Delhi



(A SUDHAKAR)  
MEMBER SECRETARY