

**BIHAR STATE POLLUTION CONTROL BOARD**

PARIVESH BHAWAN, PLOT NO. NS-B/2, PALIPUTRA INDUSTRIAL AREA,

PATLIPUTRA, Patna – 800 010

Ref. No.- M/T-3-2018/447/

2269

Patna, Dated: 22.5.19

DISCHARGE CONSENT ORDER

With reference to the online application no.2548310 dated 13.04.2019 of M/s Sona Sati Organics Ltd., At-Rajapatti Kothi, P.O.-Baikunthpur, Dist- Gopalganj-841420 for consent under sections 25/26 of the Water (Prevention & Control of Pollution) Act, 1974, he/they is/are granted consent to bring into use his/their new/alterd/existing outlet(s) for discharge of trade effluent and/or domestic sewage of molasses based Distillery (Ethanol) Unit (Expanded Capacity-75 KLPD) At-Rajapatti Kothi, P.O.-Baikunthpur, Dist-Gopalganj-841420 for the period of five years from the date of issue subject to the following conditions:-

- 1 That, he/they shall not make any alteration, addition, deletion or modification in the plant without the prior clearance from the Board and shall also abide by the obligations under sections 24,31 and 33A of the Water (Prevention & Control of Pollution) Act, 1974 and further shall extend co-operation to the Board in performing its functions entrusted under sections 20,21,23,30 and 32 of the Act;
- 2 That, he /they shall comply with the requirements of rule 14 of the Environment (Protection) Rules, 1986; provisions (whichever applicable) of the Hazardous and Other Wastes (Management & Transboundary Movement), Rules 2016, rules 4,5,7,8,10,11,12,13,15 and 18 of the Manufacture, Storage and Import of Hazardous Chemical Rules,1989;-and the provisions of the Public Liability Insurance Act,1991, whichever is applicable;
- 3 That, he/they shall monitor his/their effluent(s) regularly and maintain its quality in conformity with Board's standards and shall produce its proof, as and when asked for;
- 4 That, he/they shall submit application for consent again 30 days before the expiration of the period of consent or within 30 days from the date of receipt of this order, whichever is applicable;
- 5 That, the Consent-to-Operate(CTO) is valid for the manufacture/to maintain effluent & zero liquid discharge (ZLD) as under:

Industrial water consumption	Molasses required for fermentation	Fermented wash subject to the distillation	Ethanol produced	Spent wash gen.
375 m ³ per day	375 TPD	750 m ³ per day	75 m ³ per day	675 m ³ per day

Concentrated slope from MEE	Condensate generated from MEE	Concentrated slope directly firing in existing boiler	Concentrated slope blended with rice husk in ratio of 1:2 then firing to boiler as fuel
223 TPD	452 m ³ per day shall be re-used after treatment in CPU	122 m ³ per day	101 m ³ per day

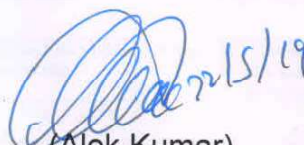
Domestic effluent shall be discharged to soak pits via septic tanks and solid waste shall be managed as management plan dated 24.04.2019 submitted with application;

- 6 That, the unit shall restrict the production of ethanol, 75 KLPD from molasses as well as restrict the maximum effluent generation 675 m³/day;
- 7 That, the unit shall maintain Zero Liquid Discharge (ZLD) by concentrating & incinerating the concentrated spent wash through MEE, rotary drier for blending the rice husk with concentrated spent wash, incineration boiler & CPU for treatment & reuse of condensate & other non-process effluent;
- 8 That, the unit shall maintain monthly-ground water abstraction data and shall be recorded in a log-book. The monitoring of ground water level shall be done through piezometers (six nos. already installed) fitted with digital water level recorder;

- 9 That, the ground water quality shall be monitored once in a year during pre-monsoon;
- 10 That, in no case mixing of storm water and industrial effluent shall be allowed. Separate storm water drain shall be constructed (as reported during inspection on 07.05.2019) and shall be reported to the Board with evidence within one month;
- 11 That, the outlet (earlier responsible for discharge of MEE condensate) sealed during inspection on 07.05.2019; shall not be re-opened without permission from the Board and if they fail to comply and re-opened the sealed outlet without permission from the Board, unit shall be liable for levy the Environmental Compensation as decided by the Board for non-compliance of the environmental standards/violation of condition;
- 12 That, The unit shall operate its ETP system regularly with having separate energy meter for CPU system and maintain a log-book;
- 13 That, the unit shall ensure connectivity of mass flow meter & web camera 24x7 with CPCB server;
- 14 That, discharge of any industrial or domestic effluent shall not be allowed in any case and they shall have to ensure the zero discharging. In case of any uneven situation plant shall be shutdown to maintain zero discharge as well as the operation of distillery shall be as recommended in EC;
- 15 That, they shall have to achieve **Zero Liquid Discharge** and water consumption shall be reduced by adopting 3 R's (reduce, reuse and recycle) concept in the process;
- 16 That, they shall comply with provisions under the Rules, conditions of EC issued vide ref. dated 18.01.2019, Govt. of India as well as directions issued either by SPCB/CPCB. Reports shall be submitted to the Board also;
- 17 That, they shall adopt rainwater harvesting measures to recharge the ground water and proper records shall be maintained;
- 18 That, the unit shall maintain flow measuring devices to asses water consumptions, spent wash generation and its quantity before and after; and
- 19 That, the Environmental Statement as prescribed in the E (P) Rules, 1986 [see rule 14] for the each financial year ending the 31st March, shall be submitted by the month of September every year.

To

Sri Ramashankar Prasad & others,
Director,
M/s Sona Sati Organics Ltd.,
At-Rajapatti Kothi, P.O.-Baikunthpur,
Dist- Gopalganj-841420.


(Alok Kumar)
Member-Secretary