

**Speed Post**

B-458/PCI-III/DIST /2k16-17 16423

16<sup>th</sup> January, 2018

To,

**M/s Karthik Agro Industries Pvt. Ltd,  
No. 65, Sector 18, Near Govt. Hospital,  
Navnagar, Bagalkot-587101, Karnataka**

**DIRECTIONS 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 Karthik Agro Industries Pvt. Ltd (Distillery Unit), Bagalkot, Karnataka (hereinafter referred to as 'the unit') is engaged in manufacturing of Rectified spirit, Extra Neutral Alcohol & Anhydrous Alcohol with installed/consented capacity of 65 KLD by using molasses & grain as raw material; and

**WHEREAS**, the unit was inspected by the CPCB Regional Directorate, Bangalore, on 22.07.2017 for compliance verification & evaluation of online monitoring system and based on the observations made during the visit CPCB had issued a notice under section 5 of the Environment (Protection) Act, 1986, dated 13.09.2017, to show cause why the Unit should not be closed down till complying with the following directions;

- i. To provide stand by equalization tank & to ensure homegenation of effluent before feeding to first stage of aeration system.
- ii. To ensure proper O& M of ETP and Emission Control device and deploy trained manpower to achieve optimum performance towards compliance of prescribed limit of KSPCB.

- iii. The unit shall submit adequacy assessment report in respect of 1) MEE system for achieving desired 30% solids concentration and 2) ETP adequacy report under both the process shift using molasses and grain.
- iv. To ensure adequate network facility for smooth dissemination of real time data to CPCB server.
- v. To take immediate steps to connect flow meter installed at the outlet of ETP with CPCB server.
- vi. To perform regular calibration of OCEMS analyzer to ensure reliable operation of instrument.
- vii. To ensure installation of flow meter at all water abstraction points (Bore wells) and separate energy meter for ETP.
- viii. To restrict the storage capacity of raw spent wash as well as concentrated spent wash storage tank to 3 days as per KSPCB consent conditions.

**WHEREAS**, the unit provided reply to the notice issued by CPCB vide letter dated 26.09.2017, indicating compliance to the above directions. However SMS alerts were generated from the OCEMS installed at the unit during the month of September & October, 2017 and the unit was inspected again on 27.12.2017 by a team of R.D, CPCB, Bangalore and the major observations made during the visit are summarised below:


1. The unit is engaged in manufacturing of Rectified spirit, Extra Neutral Alcohol & Anhydrous Alcohol at the installed capacity of 65 KLD and as informed, due to non-availability of molasses, the unit has shifted to manufacturing of grain based alcohol since April, 2017.
2. On the day of inspection, unit was in operation and engaged in manufacturing of grain based alcohol at the rate of 65 KLD i.e. 100 % to the consented capacity.
3. The unit has installed Multi Effect Evaporator for treatment of effluent (whole stillage) generated from the process, followed by decantation and concentrated liquid after decantation is used as cattle feed.
4. The MEE condensate is treated in ETP with designed capacity of 1000 KLD, which was in operation. ETP consists of Equalization tank, Aeration tank I, Clarifier I , Aeration tank II, clarifier II, Multi-Grade filter (MGF) and Activated Carbon Filter (ACF). The treated effluent used for dust suppression on road, ash quenching and gardening purpose.
5. The MLSS concentration of the aeration tank, observed in field through measuring cylinder was found to be 100 ml/l which is quite negligible. It was also observed that solids were floating in the clarifier which indicates that there is no proper settlement of solids.
6. The analysis results of the sample collected from final outlet of ETP indicates non compliance to the prescribed standards in terms of BOD & COD. BOD value is reported as **187 mg/l** against notified standard and consented limit of **100 mg/l**. COD value is reported as 297 mg/l against notified general standard of 250 mg/l for land disposal.
7. It is to be inferred from the analysis results and other observations that that ETP is not operated continuously and scientifically by the unit.

8. The OCEMS reading were showing much lower values than manual sampling results. The percentage accuracy of the online data and manual analysis is 18.9%, 5% & 11% for TSS, BOD & COD respectively indicating improper O & M and lack of regular calibration and maintenance.
9. It is reported that the unit is yet to comply with the directions given by CPCB vide notice dated 13.09.2017 with respect to carrying out performance evaluation studies and adequacy assessment study of ETP and APC Devices. Other directions are reported to be complied.

**NOW, THEREFORE**, in view of the events, as described above and exercising the powers delegated to the Chairman, Central Pollution Control Board (CPCB) under section 5 of the Environment (Protection) Act, 1986, the distillery unit is hereby directed to “**close down all its manufacturing operations and not to restart manufacturing**” till it complies with the following directions and obtains permission from CPCB;

1. The unit should immediately discontinue disposal of effluent, not conforming to prescribed norms, for gardening/irrigation purposes.
2. The unit shall ensure proper O & M of ETP and Emission Control device and deploy trained manpower to achieve optimum performance towards compliance of prescribed limit of KSPCB.
3. The unit shall submit adequacy assessment report in respect of 1) MEE system for achieving desired 30% solids concentration and 2) ETP adequacy report under both the process shift using molasses and grain through a reputed organization and carry out the recommended up gradation/augmentation works of the ETP including development of required MLSS in the aeration tanks, so as to achieve the desired quality of treated effluent.
4. The unit shall ensure adequate network facility for smooth dissemination of real time data to CPCB server.
5. The unit should perform regular calibration of OCEMS analyzer to ensure reliable operation of instrument.
6. The unit shall seek permission from CPCB before resuming its manufacturing operations after complying with the above directions.

In case of default in compliance with the above directions, CPCB will be constrained to initiate action against the Unit, 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 Chairman**

Karnataka State Pollution Control Board,  
“Parisara Bhavan”  
4th & 5th Floors, # 49, Church Street,  
Bangalore-560 001

*For ensuring compliance of the  
directions, pl.*

2. **The Regional Director,**  
CPCB R.D, South,  
Nisarga Bhawan, 1st & 2nd Floor,  
Jhimmaiah Road, 7th D-cross  
Shivanagar, Opp. Pushpanjali Theatre  
Bangalore - 560 010  
*For follow up and ensuring  
compliance of the directions, pl.*
3. **The Advisor (CP Division)**  
Ministry of Environment, Forest & C.C  
Prithvi Block, Indira Paryavaran Bhawan,  
Jorbagh Road, New Delhi - 110 003  
*For information, pl.*
4. The District Magistrate,  
District Gorakhpur, Uttar Pradesh  
*For information and ensuring  
compliance of the direction, pl.*
5. The Chief Engineer,  
Hubali Electricity Supply Company Ltd.  
(HESCOM), Corporate Office, Navanagar,  
P.B. Road., Hubli-580025 -Karnataka  
*With a direction to disconnect power  
supply to the manufacturing operations  
of Distillery unit, pl*
- ✓ 6. The Div. Head, IT Division, CPCB Delhi
7. The Div. Head, IPC-III Division, CPCB Delhi



**(A. SUDHAKAR)**  
**MEMBER SECRETARY**