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13th September, 2019

To,

**M/s Triveni Engineering & Industries Ltd.,
Alco Chemical Complex,
Bhikki Bilaspur, Dist. Muzaffarnagar,
Uttar Pradesh.**

Sub: DIRECTIONS (SHOW CAUSE NOTICE) UNDER SECTION 5 OF THE ENVIRONMENT (PROTECTION) ACT, 1986-Reg.

WHEREAS, Distilleries are identified as one of the 17 categories of highly polluting industries which have been discharging environmental pollutants directly or indirectly into the ambient air and water, having potential threat to cause adverse effect on the water and air quality; and

WHEREAS, the Central Government has notified the standards for discharge/emission 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) and air pollution control devices (APCDs) to comply with the effluent discharge and emission 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, for strengthening the monitoring and compliance through self regulatory mechanism and inculcating the habit of self monitoring within the industries for complying with the prescribed standards, CPCB has mandated installation and operation of online continuous emission and effluent monitoring systems (OCEMS) by the 17 category & Ganga GPI industries on 'polluter pays principle'; and

WHEREAS, the sector specific requirement regarding installation of OCEMS for the 17 categories, including distilleries are already uploaded in the CPCB website and is available at <http://cpcb.nic.in/online-monitoring-clarification/>; and

WHEREAS, the Ministry of Environment & Forests, Government of India, vide Notifications No- S. O. 157 (E) of 27.02.1996 and S. O. 730 (E) dated 10.07.2002, has delegated the powers vested under Section 5 of the Environment (Protection) Act, 1986 (29, of 1986) to the Chairman, Central Pollution Control Board, to issue directions to any industry or any local body or any other authority for violations of the standards and rules notified under the Environment (Protection) Rules, 1986 and amendment thereof.

WHEREAS, M/s Triveni Engineering & Industries Ltd., Alco Chemical Complex, Bhikki Bilaspur, Dist. Muzaffarnagar, Uttar Pradesh, hereinafter referred to as 'the unit' was inspected by officials from CPCB, Delhi on 23.07.2019 as a part of the compliance verification of 'Hindon' GPI industries and the following observations were made during the inspection;

1. The unit is engaged in manufacture of Absolute Alcohol/Rectified Spirit (RS) /Extra Neutral Alcohol (ENA) using molasses as raw material with consented capacity of 160 KLPD. The reported production 160 KLD of is on the inspection

- day. The average production of the unit is reported as 142 KLD (average of six-month data) i.e. 88.75 % of consented capacity
2. The unit has valid consent under Air & Water Act issued by UPPCB & valid upto 31.12.2020.
 3. The unit is meeting its fresh water requirement from ground water through 03 bore well which is situated in the unit premises. The unit has NOC from CGWA for ground water abstraction.
 4. The Spent Wash treatment and management system provided by the unit includes bio - digesters, lamella clarifier, spent wash RO plant (2 stages) and MEE. Concentrate spent wash from MEE is stored into lagoon for use in bio-composting.
 5. The condensate from MEE is treated in condensate processing unit (CPU), which consist of biological treatment (ASP) followed by settling, cartridge filtration through sand filters and RO plants. Permeate from RO plant is sent to cooling towers and reject is sent back to MEE.
 6. The total area available in the bio compost yard of the unit is 31.5 acres (covered 15.6 and open area 15.9 acres). The unit has active covered area for bio-compost 12.6 acres and 3.0 acres for ready bio-compost storage. The unit has active open area for bio-compost 15.9 acres including 2.5 acres for press mud storage.
 7. No composting activity was observed on open yard area. Stored press mud was covered using polyethylene sheet and under the covered shed. It is reported that the combined area available in the bio compost yard is adequate for the installed capacity of 160 KLD.
 8. However, **the covered area alone is not adequate for the present operating capacity of 160 KLD, since open compost available with the unit cannot be used presently during the monsoon period.**
 9. The unit has installed web cameras at Lagoon and near Bio-compost Yard Area.
 10. The capacity of Lagoon for storage of bio-methanated spent wash (RO feed) was reported 24000m³, which is much higher, considering the storage required for pumping to RO feed.
 11. The maximum allowed capacity for storage of concentrated spent wash shall be limited to 10500 KL.
 12. Samples were collected from the nearby 'Dhandera' drain at Jansath road where two drains combined and the results depicted below indicates the quality as:

S. No.	Sample Description	pH	Total Solids (mg/l)	COD (mg/l)	BOD (mg/l)	TSS (mg/l)
1.	Drain upstream to unit	6.49	2756	680	305	436
2.	Drain downstream to unit	6.33	4316	1939	1246	1626
 13. Analysis results of the sample collected during the visit indicates that the Total Solid content of the spent wash being sprayed at the Bio-compost Yard is 17050 mg/l (17.50%) which is much less than the specified minimum 30%, as per ZLD action plan.

WHEREAS, it is evident from the above observations that the available covered area at the bio compost yard of the unit is not adequate for the present operating capacity of 160 KLD, since open compost yard available with the unit cannot be used during the monsoon period. The unit has not restricted the operating capacity proportionate to the available covered area at the bio compost yard, as per the Bio composting SOP. The unit has also not restricted the storage lagoon capacity to the maximum allowed 30 days equivalent of conc. Spent wash utilised in bio composting, i.e 10500 KL. The unit is also not achieving

the minimum solid concentration of 30 % in the concentrated spent wash utilised in bio composting, as specified in the ZLD action plan; and

WHEREAS, it is evident from the above observations that the unit has not completely complied with the ZLD action plan & bio-composting protocol/SOP of CPCB w.r.t restricting the operating capacity proportionate to the available covered area during rainy season, not achieving the minimum specified total solid concentration in the concentrated spent wash utilised at bio-compost yard and having excess storage lagoon capacity.

NOW, THEREFORE, in view of the above observations 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 (M/s Triveni Engineering & Industries Ltd., Bhikki Bilaspur, Dist. Muzaffarnagar, Uttar Pradesh) should not be closed down** until all the necessary measures are planned and implemented so as to comply with the prescribed protocol and action plan to the satisfaction of CPCB.

You are hereby given an opportunity to file your objections (if any) to the above proposed 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**
Uttar Pradesh Pollution Control Board,
Building No. TC-12V,
VibhuthiKhand, Gomti Nagar,
Lucknow - 226 020
2. **The Advisor (CP Division)**
Ministry of Environment, Forest & C.C
Prithvi Block, Indira ParyavaranBhawan,
Jorbagh Road, New Delhi - 110 003
3. **The Regional Director,**
CPCB, Regional Directorate (N)
PICUP Bhawan, Ground Floor,
VibhutiKhand, Gomti Nagar,
Lucknow - 226 010
4. The Divisional Head, IPC-III Division, CPCB
- ✓ 5. The In-charge, IT Division, CPCB


(Prashant Gargava)
MEMBER SECRETARY