



केन्द्रीय प्रदूषण नियंत्रण बोर्ड  
CENTRAL POLLUTION CONTROL BOARD  
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय भारत सरकार  
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE GOVT. OF INDIA

Speed Post

B-190198/NGRBA(RG)/CPCB/Distillery/1/2018-19

March 12<sup>th</sup>, 2019

March 14<sup>th</sup>

To,

M/s India Glycol Ltd., (Distillery Unit),  
A-1, Industrial area, Bazpur Road,  
Kashipur, Distt. U.S. Nagar,  
Uttarakhand

**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. India Glycol Ltd., (Distillery Unit) (hereinafter referred as 'the Unit') is involved in the manufacturing of extra neutral alcohol and rectified spirit using molasses as raw material; and

**WHEREAS**, CPCB issued direction dated 07.12.2015 under Section 18 (1)(b) of Water (Prevention & Control of Pollution) Act, 1974, to Uttarakhand Environment Protection and Pollution Control Board (UEPPCB) that industries opting for concentration incineration system shall restrict impermeable storage of spent wash at any stage, to seven days equivalent of production; and

**WHEREAS**, UEPPCB issued Consolidated Consent to Operate and Authorization (CCA) vide letter ref.no. UEPPCB/HO/Con-1-8/2017/510 dated 06.07.2017, to the Unit that the generated spent wash shall be disposed through Multi Effect Evaporator and concentrate

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(slop) shall be used in boiler, while condensate shall be utilized in process.No case spent wash/condensate shall be discharged in land and water bodies; and

**WHEREAS**, the Unit was jointly inspected by officials of CPCB, and officials of UEPPCB, on 09.01.2019, based on SMS Alert Monitoring System and the following observations are made:

1. The Unit's installed production capacity is 425 KLPD while its restricted production capacity is 240 KLPD and present production is 170-180 KLPD.
2. The Unit has valid consents under Water Act, 1974 and Air Act, 1981 with validity upto 31.03.2023.
3. The effluent treatment facility of the Unit consists of bio-methanation, MEE followed by incineration.
4. The Unit is efficiently controlling air pollution and in the period between 01.01.2018 and 31.12.2018, there has been only 5 SMS alerts observed in the Online System at the stack of boiler (50 TPH) and satisfactory corrective action have been taken by the Unit in all five cases.
5. As per analysis report of monitoring carried at stack attached to 50 TPH boiler, particulate matter emission is 69.3 mg/Nm<sup>3</sup> which is within the prescribed standard limit of 150 mg/Nm<sup>3</sup>.
6. Spent wash generation per KL of alcohol production is 7.5 to 7.9 KL/KL of alcohol.
7. Huge quantity of spent wash (approx. 70,000 M<sup>3</sup>) was found stored in the lagoons.
8. The Unit has ensured disconnection of wastewater conveyance network to and fro the lagoons so as to isolate them.
9. To manage the spent wash stored in the lagoons, the Unit is undertaking bio-composting over an area of 20 acres. However, as per the monthly data submitted by the Unit to the CPCB, no data on bio-composting of the stored spent wash has been provided.

**AND WHEREAS**, CPCB issued show cause notice dated 7<sup>th</sup> Feb, 2019 under section 5 of Environment Protection (Act), 1986 to the unit dated to implement the following suggestive measures besides other pollution control measures:

1. To submit a time bound action plan for complete safe disposal of approximately 70,000 m<sup>3</sup> of spent wash stored in the lagoons as per SOP/Consent Conditions.
2. To ensure that no runoff or overflow occurs from the lagoons.
3. To restrict lagoon capacity to seven days' equivalent of concentrated spent wash generation.
4. To ensure availability of calibration protocol for Online Continuous Emission Monitoring System and to ensure strict adherence to the same.
5. To continue to submit the monthly data and analysis report in compliance with CPCB Direction dated 05.06.2018.

(Contd..3/-)

**AND WHEREAS**, the unit's reply vide letter dated 25<sup>th</sup> February, 2019 is examined and following observations are made;

1. The unit is a ZLD unit utilising spent wash through concentration in incineration. The spent wash is used as fuel in the slop fired boiler after concentration through MEE.
2. The effluent stored in lagoon is old spent wash along with rain water as these lagoon have been isolated and sealed by UEPPCB on 12.01.2017 and these lagoons are not being used for any new storage currently.
3. The effluent accumulated in lagoons are utilized through bio-composting process by mixing with press mud.
4. The unit has compost yard of 8 acres, along with additional land required for storage of press mud and finished product of 12 acres. The total area available is 20.0 acres.
5. The unit has submitted a time bound action plan to consume 96000.00 m<sup>3</sup> (70000 m<sup>3</sup> (Stored effluent) + 26000 m<sup>3</sup> rain water) of diluted spent wash within two years i.e. 2019 to 2021.
6. As validated by Department of Health, Safety, Environment & Civil Engineering University of Petroleum and Energy Studies, Dehradun, the unit can utilize press mud to spent wash in the ratio of 1:2 in bio-composting.
7. The utilization of effluent will be done through bio-composting during non-monsoon season only. During monsoon season bio-composting activity will be closed down as per CPCB protocol.
8. The unit has assured that level of the lagoon will be below the top of the lagoons and will keep it confined within the said lagoon and utilize in bio-composting as per action plan.
9. The unit has kept one lagoon within the premises for storage of concentrated spent wash equivalent to 7 days (3920 m<sup>3</sup>). The unit has informed that the lagoon is already filled with sludge and the top level of the lagoon is kept for storage purpose.
10. The unit has provided the last calibrated date of OCEMS i.e. 29.03.2019 and has assured that calibration will be done as per CPCB guidelines.
11. The unit is regularly submitting the monthly data as per CPCB direction issued dated 05.06.2018.

**It appears that the unit has stopped bio-composting of conc. spent wash and concentrated spent wash is incinerated through slope fired boiler to achieve ZLD. The concentrated spent wash is stored in a lagoon with storing capacity of 07 days before incineration, however, the old accumulated spent wash and rain water is stored in an isolated and sealed lagoon.**

**(Contd..4/-)**

**AND 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, the Show Cause Notice dated February 7<sup>th</sup>, 2019 is hereby withdrawn and the unit is directed comply with the following:

1. The unit shall utilize the spent wash stored in isolated lagoons in bio-composting before June 30, 2021 as per standard operating process and the action plan.
2. The unit shall dismantle the lagoon after utilization of accumulated spent wash and shall submit the documentary evidence when the lagoon gets emptied.
3. The unit shall submit the documentary support for procurement of press mud, sell of compost, compost quality on monthly basis to CPCB.
4. The unit shall continue to achieve ZLD and shall restrict the impermeable storage of lagoon of spent wash to 07 days equivalent as per the direction dated 7/12/2015 issued under section 18(1) (b) of Water (Prevention & Control of pollution) Act, 1974.

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.



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

Copy to:

**1. The Chairman**

Uttarakhand Environment Protection &  
Pollution Control Board,  
29/20 , Nemi Road, Dehradun,  
Uttarakhand"Building

: With request to ensure that the  
Unit complies with the  
directions.

**2. The 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..5/-**

**3. The 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

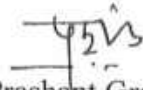
**4. The District Magistrate**

Udham Singh Nagar,  
Uttarakhand

: For follow up and ensuring  
compliance

~~5.~~ The In-charge, IT Division, CPCB

6. Master file/Guard file WQM II, CPCB, Delhi

  
(Prashant Gragava)

**MEMBER SECRETARY**