

SPEED POST

F. No. B-190194/NGRBA/RG/CPCB/Chem/37/2017-18

11-09-2017

To,

M/s India Glycols Ltd.
A-1 Industrial Area, Bazpur Road,
Kashipur, Distt.-U.S. Nagar, Uttarakhand

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, Chemical units are identified as one of the Grossly Polluting I (GPI) 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, M/s India Glycols Ltd. (MEG), A-1 Industrial Area, Bazpur Road, Kashipur, Distt.-U.S. Nagar, Uttarakhand (hereafter referred to as the 'Unit') is manufacturing Di-ethylene Glycol, EO Derivatives, Condensates (Ethoxylates Formulation) Products, Ethylene Oxide, Mono Ethylene Glycols, Tri-ethylene/Heavy Glycol and Power; and

WHEREAS, the Unit was inspected by the officials of Central Pollution Control Board (CPCB) on 20-06-2017 and following observations made:

1. The unit has infrastructure to produce Mono Ethylene Glycol (MEG), Di Ethylene Glycol (DEG), Tri-Ethylene Glycol (TEG), Ethylene Oxide (EO) and Ethylene Oxide Derivatives (EOD) and condensate with capacity of 120000 TPA, 9600 TPA, 1200 TPA, 55000 TPA and 60000 TPA respectively. During the inspection, the unit was in operation with reported capacity of 518.07 TPD of MEG.
2. The unit is meeting its fresh water requirement through 05 (five) borewells. Mechanical flow meter is installed at the borewells. The unit has obtained NOC from CGWA for ground water abstraction, which is valid upto 14.01.2018.
3. The effluent generated from the unit is collected through 02 sumps pits located on the bank of local drain. Oil and grease skimmer is installed on the pits. During inspection, Oil and Grease skimmer was not operational.
4. The unit has earlier made bypass arrangement of the effluent from sumps pits, which is now found closed. The effluent from sump pits is partially pumped to ETP.
5. The unit has installed Effluent Treatment Plant (ETP), which comprises of following units:
Aeration Tank- Clarifier-Settling Pit-Media Grade filter- Activated Carbon Filter
6. During inspection, ETP effluent samples were collected from Aeration tank and outlet of ETP to assess the overall efficiency of ETP. The Unit was meeting with the prescribed effluent discharge standards but as the MLSS in aeration tank is very less (10.7 mg/l) which indicates poor operation and performance of ETP and dilution of secondary clarifier could not be ruled out.
7. It was observed that a drain meets with final treated effluent of ETP within unit's premises.
8. It was observed that unit was partially sent raw effluent from sump pits to ETP and remaining is pumped into local drain without treatment. Analysis of by-pass effluent collected from sump pits showed pH-5.80 (as against norms of 6.5-8.5), SS-36.6 mg/l (as against norms of 100 mg/l), BOD-950 mg/l (as against norms of 30 mg/l) and COD-1153 mg/l.
9. Domestic waste water from the unit's colony is also discharged into local drain. As informed by the unit representative, unit is in the process to install Sewage Treatment Plant (STP) for domestic waste water.
10. The unit has installed OCEMS at the outlet of the ETP. As informed by the unit's representative, OCEMS was not functional/offline in April, 2017 due to shut down of plant and in May, 2017 due to

instrument problem. The unit has now rectified the problem and OCEMS has found functional. The unit has not carry out regular calibration of OCEMS.

It is evident that the unit is bypassing the untreated effluent into local drain, which has potential to pose serious pollution problem in drain as well as recipient river; and

AND NOW, THEREFORE, in exercise of powers delegated under Section 5 of the Environment (Protection) Act, 1986, the following directions are being issued:

1. The Unit namely **M/s India Glycols Ltd. A-1 Industrial Area, Bazpur Road, Kashipur, Distt.-U.S. Nagar, Uttarakhand** shall close all the plant operations with immediate effect.
2. The unit shall immediately dismantle bypass arrangement of the effluent form sump pits.
3. The Unit shall report to CPCB regarding closure of manufacturing operations in compliance of the direction immediately on receipt of this direction.
4. The Unit shall take adequate measures to meet the MLSS as per standard practices.
5. After completion of the above said measures, the Unit shall report to CPCB and seek permission from CPCB before resumption of their manufacturing operations.

Failure to comply with above directions will attract action in accordance with the provision of the Environment (Protection) Act, 1986.

(S. P. SINGH PARIHAR)
CHAIRMAN

Copy to:

1. **Member Secretary,**
Uttarakhand Environment Protection & Pollution Control Board : [For information please]
29/20, Nemi Road, Dehradun, Uttarakhand
2. **The Advisor (CP Division),**
Ministry of Environment, Forests & Climate Change, : [For information please]
Indra Paryavaran Bhavan,
Jor Bagh Road, New Delhi - 110 003
3. **Regional Director (N),**
Central Pollution Control Board, :[For the implementation
Regional Directorate (North) PICUP Bhawan and compliance of the
Vibhuti Khand, Gomti Nagar direction]
Lucknow - 226 010
4. **District Magistrate,**
District- Udham Singh Nagar, Uttarakhand
5. **Managing Director,**
Uttarakhand Power Corporation Ltd.
Corporate Head Quarter – Victoria Cross Vijeyta Gabar Singh Urja
Bhawan , Kanwali Road, Balliwala Chowk,
Dehradun-248001, Uttarakhand
6. The Incharge IT Division, CPCB, Delhi
7. Master copy (Chemical), CPCB, Delhi

(A. SUDHAKAR)
MEMBER SECRETARY