

SPEED POST

F. No. B-190194/NGRBA/RG/CPCB/others (Petrochem)/06/2017-18

23-01-2018

To,

**M/s Dhunseri Petrochem Industries Ltd.
(formerly Dhunseri Petrochem & Tea Limited),
JL-126, Basudevpur Mouza, P.O. Khanjanchak,
Haldia, Dist. Midnapore (E) -721602,
West Bengal**

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, Petrochemical units 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, there is need to inculcate habit of self-monitoring within the industries for complying with the prescribed standards and this can be achieved by the methods like installing online effluent and emission monitoring devices; and

WHEREAS, for strengthening the monitoring and compliance through self-regulatory mechanism, online source emission and effluent monitoring systems need to be installed and operated by the industries on 'polluter pays principle'; 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 emission and effluent standards and rules notified under the Environment (Protection) Rules, 1986 and amendment thereof; and

WHEREAS, it is obligatory on the part of industries to install effluent treatment plants (ETPs) to comply with the effluent discharged 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 Dhunseri Petrochem Industries Ltd. (formerly Dhunseri Petrochem & Tea Limited), JL-126, Basudevpur Mouza, P.O. Khanjanchak, Haldia, Dist. Midnapore (E) -721602, West Bengal (hereafter referred to as the 'Unit') is processes raw Mono ethylene glycol (MEG)/Diethylene glycol (DEG) and Purified Terephthalic acid/Isophthalic acid for manufacturing of PET (Polyethylene Terephthalate) resins.; and

WHEREAS, the Unit was inspected by the officials of Central Pollution Control Board (CPCB) on 09-01-2017 and observed the following:

1. Unit was found non-complying w.r.t. prescribed discharge standards as ETP outlet sample analysis shows **BOD: 32 mg/l** (against the prescribed limit of 30 mg/l); which indicates non-compliance with respect to prescribed limit mentioned in Consent to operate by WBPCB.
2. The unit has not obtained valid consent for new plant.
3. The unit is claiming that around 75 to 90% of treated wastewater is reused.
4. The calibration status of the online effluent monitoring system was not provided.

AND WHEREAS, CPCB issued show cause notice dated 12.02.2017; and

WHEREAS, the Unit has replied vide its letter dated 02-03-2017 and informed it has complied with the directions; and

WHEREAS, the Unit was inspected by the officials of Central Pollution Control Board (CPCB) on 27.12.2017 and observed the following:

- The Unit was **operational** during the day of inspection.
 - The Unit is processes raw Mono ethylene glycol (MEG)/Diethylene glycol (DEG) and Purified Terephthalic acid/Isophthalic acid for **manufacturing of PET** (Polyethylene Terephthalate) resins. Installed capacity is 1475 TPD (Old plant 600 TPD and New plant 875 TPD).
 - The unit has two no. of process units (Plant-1 & Plant-2). Waste water generated from both the unit is collected in an equalization tank no. 1 and is treated in two different ETPs with a different treatment process, details given below:
 - ETP-1: Equalization tank –UASB reactor-anaerobic filter-pre-aeration tank, Fluidized aerobic bioreactor-tube settler-aeration tank-secondary clarifier-common outlet tank
 - As per inspection report, the **ETP system was not found adequate.**
 - The unit has obtained valid consent under Water/Air Acts from WBPCB valid upto **31.05.2019** (Plant-1) and **31.05.2021** (Plant-2).
 - The unit has disposed hazardous waste through authorized dealer. Authorization under HW(M&H) Rules, 2016 valid upto **31.12.2018**
 - It was observed that there is discharge from outlet drains of the common storage tank of ETPs which drains are opens into east drain (Factory discharge). East drain is finally goes to Green Belt Canal.
5. Samples of treated wastewater were collected from inlet, outlet, Middle drain and East drain (Factory discharge) of ETP to assess the overall efficiency of ETP and the analytical results showed **that the Unit is violating the notified general effluent standards under Environment (Protection) Rules, 1986** as ETP outlet sample and East drain (Factory discharge) analysis shows **BOD: 43 mg/l** (against the prescribed limit of 30 mg/l); which indicates non-compliance with respect to prescribed limit mentioned in Consent to operate by WBPCB.

It is evident from the above observations that the Unit is violating the notified general effluent standards under Environment (Protection) Rules, 1986 and discharging its partially treated/untreated effluent on land, thereby posing serious threat to the surface and groundwater quality.

AND NOW, THEREFORE, in view of the above observations and exercising powers delegated to the Chairman, Central Pollution Control Board under section 5 of the Environment (Protection) Act, 1986, the following directions are being issued:

1. The Unit **M/s Dhunseri Petrochem Industries Ltd. (formerly Dhunseri Petrochem & Tea Limited), JL-126, Basudevpur Mouza, P.O. Khanjanchak, Haldia, Dist. Midnapore (E) - 721602, West Bengal** shall close down all manufacturing operations with immediate effect.
2. The Unit shall report to CPCB regarding closure of manufacturing operations in compliance of the direction immediately on receipt of this direction.
3. The Unit shall also address such adequacy assessment report of ETP (both unit1 and 2) duly validated by reputed institutions like IITs, NEERI, NPC, NIT etc.
4. The Unit shall submit time bound action plan for augmentation and upgradation of ETP systems to meet the prescribed standards.
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,**
West Bengal Pollution Control Board,
Paribesh Bhavan, 10A, Block-L.A.,
Sector-III, Salt Lake City,
Kolkata - 700 098, West Bengal

: [For information please]

2. **The Advisor (CP Division).**
Ministry of Environment, Forests & Climate Change,
Indra Paryavaran Bhavan,
Jor Bagh Road, New Delhi - 110 003

3. **Regional Director (North)**
Regional Directorate,
Central Pollution Control Board, Southernd Conclave, Block
502, 5th & 6th Floors, 1582 Rajdanga Main Road, Kolkata-
700107
West Bengal

:[For the implementation and
compliance of the direction]

4. **District Magistrate**
Dist. Midnapore (E) -721602,
West Bengal

:[For the implementation and
compliance of the direction]

5. **Managing Director,**
West Bengal State Electricity Distribution Company Limited
Kolkata, West Bengal, India

: [With a request to disconnect the
electricity supply to the Unit].

6. ✓ The Incharge IT Division, CPCB, Delhi

7. Master copy (Petrochemical), CPCB, Delhi



(A.SUDHAKAR)
MEMBER SECRETARY