

SPEED POST

F. No. B-190194/NGRBA/RG/CPCB/others (Chem)/01(a)/2017-18

12-02-2018

To

M/s Government Opium & Alkaloid Works,
Gazipur-233001,
Uttar Pradesh

DIRECTION UNDER SECTION 5 OF THE ENVIRONMENT (PROTECTION) ACT, 1986

WHEREAS, Pharmaceutical 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, 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 Unit **M/s Government Opium & Alkaloid Works, Gazipur-233001, Uttar Pradesh** (herein after referred as the Unit) was inspected by the CPCB officials on 14-10-2017; and

WHEREAS, CPCB issued Show Cause Notice dated 20-11-2017 under Section 5 of Environment (Protection) Act 1986 to the unit for not complying with prescribed effluent discharge standards notified under Environment (Protection) Rules, 1986 and amendment thereof; and

WHEREAS, the unit reply vide letter dated 08.12.2017 was examined; and

WHEREAS, the Unit was inspected by the CPCB officials on 16-01-2018 and following observations has been made:

1. During inspection, ETP was observed as operational.
2. The unit is engaged in manufacturing of alkaloids from opium. The unit has installed capacity of processing 60 Ton/year. However; at the time of inspection the unit was operating on 25 ton/year capacity.
3. The unit is meeting its water requirement through three open wells for industrial & domestic purpose. The unit has installed electromagnetic flow meter for measuring fresh water consumption. The unit has applied for NOC from CGWA on 01.12.2017.
4. The ETP of the plant consists of Bar Screen, Grit Chamber, Equalization Tank, Flocculation Tank, Primary Settling Tank, Aeration Tank, Secondary Settling Tank, Sand Bed, Activated Carbon Filter, Sludge Drying Beds and Treated Water Collection Tank.
5. The unit has installed an ETP for treatment of effluent which is based on Physio-chemical process followed by Biological Process. As reported, the ETP receiving effluents from the nascent unit, morphine unit, finishing drug section, washing of the vessels, boiler blow down, cooling tower blow down and floor washing is also treated in the ETP.
6. Samples were collected from Equalization Tank, Aeration Tank, Outlet of ETP and Treated water collection tank. **The analysis results of ETP outlet samples shows that the unit is not complying with the prescribed stipulated norms with respect of parameters BOD: 33.2 mg/l (as against the norms of 30 mg/l) and Hg: 0.0528 mg/l (as against the norms of 0.01 mg/l).**

7. **MLSS (472 mg/l) and MLVSS (423mg/l)** in the Aeration were found very low which indicates that the O&M of the ETP is not proper and ETP is not stabilized.
8. The unit has installed Online Continuous Effluent and Emission Monitoring System at the outlet of ETP and Boiler Stack and connected with CPCB server.
9. The conveyance channel of effluent to ETP is open. As informed, the unit is in the process to construct closed conveyance channel of effluent to ETP.
10. As informed, Treated effluent from ETP is used for gardening purpose in its premises. During inspection, treated effluent was found not discharged outside unit.
11. **During inspection, it was observed that the unit has installed valve at the inlet of the ETP, which leads to outlet of ETP. Leakage of effluent from the valve was observed. Possibility of bypassing of effluent through this valve could not be ruled out.**
12. **The River Ganga is adjacent to the unit (approx. 100 m).**
13. As informed, the unit has given work of ETP adequacy assessment to IIT (BHU), Varanasi. The unit has maintained log book of ETP operation, energy consumption.
14. **The domestic wastewater generated from unit, residential colony (three nos.) is discharged into River Ganga (distance- approx. 100 m), which may pollute River Ganga.**
15. The ETP sludge generated, which is hazardous is not dispose off on TSDF. It is dumped on land near ETP area.
16. The opium distillation Residue generated from process in stored in concrete pit (25mx20m x3m) inside unit. As informed, approx. 20 Ton of opium distillation Residue is stored. As informed, opium distillation Residue will be incinerated in incineration located in its sister concern unit located at Nimach.
17. The unit has **not applied for HW authorization** for management and handling of HW.
18. The unit has **not obtained valid consent** under the Water Act, 1974 & the Air Act, 1981 from the State Pollution Control Board. However, the unit has **applied for renewal** to UPPCB.
19. The unit has installed two boiler of capacity each 2.5 TPH for producing steam using furnace oil as fuel. Both Boilers are equipped with cyclone separators APCD. The emissions from boiler is vented through common stack of height approx. 30 m.
20. The unit has provided three D G set of 2 X 320 KVA and 200 KVA capacities, which are not equipped with acoustic enclosure and inadequate stack height.

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; and

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

1. The unit shall immediately close bypass drain/valve and inform to CPCB.
2. The unit shall properly operate its ETP to stabilize the aeration tank and to meet with the stipulated norms of effluent discharge.
3. The unit shall expedite to carry out adequacy assessment of ETP and submit the adequacy report within 30 days to CPCB and also submit time bound action plan for upgradation of ETP.
4. The unit shall submit a time bound action plan within 30 days to install Sewage Treatment Plant (STP) for treatment of sewage generated from unit and its colonies.

5. The unit namely **M/s Government Opium & Alkaloid Works, Gazipur-233001, Uttar Pradesh** shall obtain valid consent under the Water Act, 1974 & the Air Act, 1981 from the State Pollution Control Board.
6. The unit shall obtain HW authorization from SPCB. The unit should comply with all conditions of HW Rule, 2016.
7. The unit shall immediately lift HW (ETP sludge) disposed on land and it should be disposed off into TSDF.
8. The unit shall provide proper storage facility for HW generated in the unit.
9. The unit shall provide acoustic enclosure and adequate stack height in all DG sets.
10. The unit shall expedite to construct closed conveyance channel of effluent to ETP as proposed.

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. **Chairman,** : [For kind information]
Uttar Pradesh Pollution Control Board
Building No. TC-12V, Vibhuti Khand,
Gomati Nagar, Lucknow
2. **The Advisor (CP Division),** : [For kind information]
Ministry of Environment, Forests & Climate Change,
Indra Paryavaran Bhavan,
Jor Bagh Road, New Delhi - 110 003
3. **Regional Director,** : [To ensure compliance of the
Regional Directorate (North),
Central Pollution Control Board,
PICUP Bhawan, Vibhuti Khand,
Gomati Nagar, Lucknow
directions]
4. **The Incharge IT Division, CPCB, Delhi** : [For uploading the direction on
CPCB website]


(A.SUDHAKAR)
MEMBER SECRETARY