

**SPEED POST**

F. No. B-190194/NGRBA/RG/CPCB/others (Chem)/02/2017-18

May 07, 2018

To

**M/s East India Pharmaceutical Works Ltd.,  
Raturia, Waria Road, Durgapur, Dist.- Burdwan-713215,  
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**, 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**, 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 East India Pharmaceutical Works Limited, Raturia, Waria Road, Durgapur, Dist. Burdwan -721602, West Bengal (hereafter referred to as the 'Unit') manufacture drugs namely, Quiniodchlor IP and Colloidal Iron from different chemicals mixing reactions; and

**WHEREAS**, the Unit was inspected by the officials of Central Pollution Control Board (CPCB) on 12-01-2017; and

**WHEREAS**, CPCB issued show cause notice on 01.03.2017 under section 5 of the Environment (Protection) Act, 1986 to the unit; and

**WHEREAS**, the unit reply vide letter dated 23.03.2017 was examined and following observations were made:

1. Online monitoring system installed since September, 2015 and the required data are being transmitted to CPCB cloud server as per guideline.
2. WBPCB is collecting a monthly sample of ETP outlet water and all the reports received till February 2017 found satisfactory.

3. The Unit analysed outlet effluent quality of parallel sample of CPCB drawn on 5<sup>th</sup> January 2017 and as per test report; it was complying with respect to prescribed limits.
4. ETP discharge system is installed with a PLC based shut off control valve with necessary discharge interlock and same would not be allowing any discharge of non-complying effluent against COD, BOD, pH and TSS parameters. In case of higher value of discharged parameters, the discharge valve will shut automatically with alarm for corrective actions and the full volume of effluent will start to recycle back into ETP for subsequent treatment till it complies with prescribed standard, So, by design there is no possibility of discharge water with non-complying parameters.
5. The unit has assured that the unit is not discharging effluent into ground or into any external water bodies.
6. On receiving of CPCB letter dated 7<sup>th</sup> March 2017, the Unit has tested ETP outlet effluent from NABL accredited laboratory and found all of the parameters are within the prescribed limit.
7. The unit requested for re-sampling of the discharge to determine the parameters.

**AND WHEREAS**, the Unit was inspected by the officials of Central Pollution Control Board (CPCB) on 20.03.2018 and following observation are made:

1. The unit was found operational at the time of inspection.
2. The unit manufactures medical and pharmaceutical products (Bulk drugs); antibiotics, antifungal, analgesic, antipyretic and antiviral.
3. Waste water generated from production unit is transferred to two equalization tanks (225 cu.m. each) via drains.
4. Effluent from equalization tanks is pumped into primary treatment system unit which includes flash mixing tank and primary clarifier. Overflow of flash mixing tank comes to primary clarifier. Sludge from the primary clarifier is discharged to sludge drying bed through primary sludge transfer pumps. Secondary treatment unit (Aeration lagoon) receives the overflow from primary clarifier. It has two fixed surface aerators (20 HP capacity).
5. Two aerators run periodically based on the biological load of the system. Overflow from aerator is received by clear water pit and is pumped to tertiary treatment unit.
6. Tertiary treatment unit includes two filtration systems with pressure sand followed by activated carbon filter and disinfection by chlorine.
7. OCEMS is connected to CPCB server and data is transmitted.
8. Treated effluent sample collected from outlet of the ETP showed pH: 7.8 (against the norms of 6-8.5), TSS: 75 mg/l (against the norms of 100 mg/l), BOD: 16 mg/l (against the norms of 30 mg/l), COD: 68 mg/l (against the norms of 250 mg/l) Phenol: 0.80 mg/l (against the norms of 1.0 mg/l) and Oil & Grease: BDL (against the norms of 10 mg/l), which indicate compliance with stipulated norms notified under the Environment (Protection) Rules, 1986.
9. Treated water is discharged into Tamla Nallah.

**AND NOW THEREFORE**, in view of the above mentioned 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 01.03.2017 is revoked herewith and the unit **M/s East India Pharmaceutical Works Limited**, Raturia, Waria Road, Durgapur, Dist. Burdwan -721602, West Bengal is directed to comply with the following direction:

1. The Unit shall treat their effluent to meet the prescribed effluent discharge standards.
2. The unit shall take corrective action to operate both aerators in aeration tank immediately.
3. The Unit shall ensure continuous connectivity with CPCB server of the OCEMS.

In case of default in compliance with the above directions, CPCB will be constrained to initiate action without any further notice, in accordance with the provisions of the Environment (Protection) Act, 1986.

(S. P. SINGH PARIHAR)  
CHAIRMAN

**Copy to:**

1. **Member Secretary,** : [For information please]  
West Bengal Pollution Control Board,  
Paribesh Bhavan, 10A, Block-L.A.,  
Sector-III, Salt Lake City,  
Kolkata - 700 098, West Bengal
2. **Joint Secretary (CP Division),** : [For information please]  
Ministry of Environment, Forests & Climate Change,  
Indra Paryavaran Bhavan,  
Jor Bagh Road, New Delhi - 110 003
3. **Regional Director (East),**  
Regional Directorate,  
Central Pollution Control Board, Southernd Conclave, :[For the implementation and  
Block 502, 5<sup>th</sup> & 6<sup>th</sup> Floors, 1582 Rajdanga Main Road, compliance of the direction]  
Kolkata-700107  
West Bengal
4. ✓ The Incharge IT Division, CPCB, Delhi
5. Master copy (Petrochemical), CPCB, Delhi



**(A.SUDHAKAR)**  
**MEMBER SECRETARY**