



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-190197/WQM-II(RG)/CPCB/Sugar/28/2016-17

14th November, 2018
16th

To,

M/s Indian Potash Ltd.
Rohana Kalan, Muzaffarnagar,
U.P.- 251202

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 Indian Potash Ltd., Rohana Kalan, Muzaffarnagar, U.P. (hereinafter referred as 'the Unit') is involved in the process of sugar manufacturing from crushing of cane; and

WHEREAS, CPCB issued direction dated 29.06.2017 under section 5 of Environment (Protection) Act, 1986 to the Unit; and

WHEREAS, CPCB received adequacy assessment report vide letter dt.08.09.2017 from the Unit prepared by VSI, Pune; and

WHEREAS, CPCB issued direction dated 27.11.2017 under section 5 of Environment (Protection) Act, 1986 to the Unit; and

(Contd..2/-)

M/s Indian Potash Ltd., Rohana Kalan, Muzaffarnagar, U.P.

WHEREAS, the Unit has submitted implementation status of recommendations of the adequacy report vide letter dated 09.12.2017; and

WHEREAS, the Unit was inspected on 22.03.2018 by officials from CPCB, Delhi and following observations were made;

1. The Unit and ETP were operational.
2. The Unit was operational without valid consent to operate. The Unit has applied for valid consent under Water (Prevention and Control of Pollution) Act, 1974 & Air (Prevention and Control of Pollution) Act, 1981.
3. The Unit has applied for NOC from Central Ground Water Authority (CGWA).
4. Effluent Treatment Plant (ETP) comprised of Oil & Greases skimmer, Equalisation Tank, Primary Clarifier, Aeration Tank, Secondary Clarifier & Tertiary treatment (Filtration units).
5. Analysis of treated effluent sample shows pH-7.55 as against norms of 5.5-9.0, **BOD-48 mg/l** against norms of 30 mg/l, COD- 204mg/l against norms of 250 mg/l, **TSS-41mg/l** against norms of 30 mg/l which indicates non-compliance w.r.t. BOD & TSS against surface water discharge norms prescribed under Environment (Protection) Rules, 1986.
6. The analysis of effluent sample collected from lagoon shows pH-8.02 as against norms of 5.5-9.0, BOD-66 mg/l against norms of 100 mg/l, COD- 191 mg/l against norms of 250 mg/l, TSS- 24 mg/l against norms of 100 mg/l which indicates compliance as per the land discharge norms prescribed under Environment (Protection) Rules, 1986.
7. The Unit has constructed an unlined lagoon for storage of treated effluent having capacity of 4777.5 m³.
8. The Unit has not submitted irrigation management plan

AND WHEREAS, CPCB has issued show cause notice dt.15.05.2018 under Section 5 of the Environment (Protection) Act, 1986 to the unit as the unit failed to meet the effluent discharge norms; and

WHEREAS, the Unit submitted the revalidated adequacy assessment reports and irrigation management plan prepared by VSI, Pune vide letter dt.11.06.2018; and as per the report following recommendations have been made by VSI, Pune;

1. The unit shall install flow meter for measurement of freshwater addition in spray pond, boiler make-up from second evaporator body, washout line of pans/ evaporators.
2. The unit shall upgrade existing ETP by installation of plastic media in existing anaerobic filter to reduce sulphate and avoid shock loading of aeration tank.
3. The unit shall reduce wastewater and shall use it in wet scrubber.
4. The unit shall install rain water harvesting program to reduce fresh water abstraction from tube well.

(Contd..3/-)

5. The unit is having adequate treatment system for installed capacity of 1600 TCD and waste water generation is estimated as 146.26 L/t of cane crushed.

AND WHEREAS, CPCB through an Expert Committee comprising of experts from National Sugar Institute (NSI), Kanpur, Vasantdada Sugar Institute (VSI), IITs and representatives from sugar mills prepared a Charter for Water Recycling and Pollution Prevention (thereafter referred to as the Charter; and

WHEREAS, a meeting of sugar mills operating in Uttar Pradesh, representatives of UPPCB and CPCB was held on 06.07.2018 under Chairmanship of Principal Secretary, Sugar Industries and Sugarcane Development, Government of Uttar Pradesh and the following decisions are made;

1. Sugar Mills shall submit an action plan to CPCB by 20.07.2018 regarding the steps taken by them pertaining to the notices issued to them. Also they shall submit action plan to implement recommendations of their adequacy assessment report.
2. All sugar mills shall ensure implementation of Charter and shall submit action plan to CPCB by 20.08.2018.
3. All sugar mills shall ensure the upgradation of their ETP within August, 2018 so as to ensure no interruption in functioning of the ETP in the following seasons.
4. All sugar mills shall maintain a logbook on ETP operations on a daily basis.
5. ETP shall be operational at all times and all bypass arrangements should be dismantled with immediate effect.
6. MLSS in aeration tanks should be maintained at 2000-2500 mg/l.
7. All sugar units shall set up environmental laboratories for regular analysis of raw and treated effluent thereby ensuring proper functioning of the ETP.
8. All sugar mills shall employ dedicated technicians for operating and regular maintenance of ETP and shall also ensure that the technicians are given proper training on ETP maintenance and lab analysis on regular basis.
9. To ensure proper training of the environmental technicians all sugar mills shall facilitate training of 5 employees.
10. All sugar mills may establish an Environment Management Cell at their level consisting of concerned officials in order to ensure compliance with environmental standards at industry level itself.

AND WHEREAS, the unit vide letter dated 27.07.2018 submitted their compliance status of the Charter, which was examined and following observations were made:


1. The unit has upgraded ETP system
2. The unit is maintaining log books on regular basis.
3. The unit is in arrangement of installation of plastic media in existing anaerobic filter.
4. The unit has arranged laboratory, equipment, trained and dedicated staff.
5. The unit has established Environmental Management Cell.

(Contd..4/-)

NOW, THEREFORE, in view of the above observation, and exercising powers delegated to the Chairman, Central Pollution Control Board under section 5 of the Environment (Protection) Act, 1986, the unit (M/s Indian Potash Ltd. Rohana Kalan, Muzaffarnagar, U.P.) is directed to comply with the following directions before commencement of crushing season 2018-2019;

1. The unit shall operate within the installed crushing capacity of 1600 TCD and available treatment capacity of ETP.
2. The unit shall implement the observation & recommendation of the revalidated adequacy assessment of ETP.
3. The unit shall install scaled flow meter along with running hours meter on bore wells so as to ascertain usage of fresh water for various uses.
4. The unit shall install flow meters at major areas of cold and hot water consumption.
5. The unit shall install flow meters for measuring generation of effluent from various prominent areas.
6. The unit shall maintain logbook for individual process unit for recording daily water consumption and effluent generation also.
7. The unit shall carry out colour coding of pipelines carrying recycled process water and fresh process.
8. The Unit shall commission mechanical sludge handling system of adequate capacity.
9. The unit shall carry out analysis of effluent discharge parameters notified under Environment (Protection) Rules, 1986 and logbook shall be maintained on daily basis.
10. The unit shall submit the implementation status of the Charter in the form of Affidavit and the documentary proof of the completion of the work as committed in the action plan.
11. The unit shall submit implementation status of the Charter and performance adequacy audit of ETP including actual assessment of water consumption and effluent generation duly validated by reputed government expert institute namely NSI Kanpur, VSI Pune, IITs during crushing season & submit the report to CPCB within 60 days of resumption of operation.

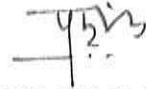
In case of default in compliance with the above directions, CPCB will be constrained to initiate action against the Unit (M/s Indian Potash Ltd. Rohana Kalan, Muzaffarnagar, U.P) without giving any further notice in accordance with the provisions of the Environment (Protection) Act, 1986.


15/04/18
(S. P. Singh Parihar)
CHAIRMAN

(Contd..5/-)

Copy to:

1. **Principal Secretary (Sugar)**
Sugar Industry and Cane Development
Department, "G" Block 2/3, Mantri Wing 4th
Floor BapuBhawanVidhan Sabha Marg
Lucknow - 226 001
: With request to ensure compliance
of the directions.
2. **Member Secretary**
Uttar Pradesh Pollution Control Board,
Building No. TC-12V, VibhuthiKhand,
Gomti Nagar, Lucknow - 226 010
: For kind information, please.
3. **Joint Secretary (CP Division)**
Ministry of Environment, Forest & C.C
Prithvi Block, Indira ParyavaranBhawan,
Jorbagh Road, New Delhi - 110 003
: For kind information, please.
4. **Regional Directorate**
Regional Director
Central Pollution Control Board, PICUP
Bhawan, Ground Floor, VibhutiKhand, Gomti
Nagar,
Lucknow - 226 010
:For follow up and ensuring
compliance
- ✓ 5. In-charge, IT Division, CPCB
6. Master file/Guard file WQM II, CPCB Delhi



(PRASHANT GARGAVA)
MEMBER SECRETARY