



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-190198/WQM-II (RG)/CPCB/Sugar/28/2017-18 12409

Dated: Nov. 2nd, 2018
6th

To,

M/s Indian Potash Ltd.,
Sakauti Tanda,
Muzaffarnagar road,
Meerut, U.P.-250223

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., Sakauti Tanda, Muzaffarnagar road, Meerut, U.P. (hereinafter referred as 'the Unit') is involved in the process of sugar manufacturing from crushing of cane; and

WHEREAS, CPCB received adequacy assessment report vide letter dt. 11.10.2017 from the unit prepared by VSI, Pune; and

WHEREAS, the Unit was inspected on 05.01.2018 by the officials of CPCB and following observations were made; and

1. The Unit was operational at the time of inspection.
2. The Unit is having two outlets.
3. The untreated spray pond overflow is stored in lagoon.
4. The Unit is not maintaining the proper piping network for storing the effluent.
5. The untreated effluent from storage lagoon discharge on land.

(Contd..2/-)

M/s Indian Potash Ltd., Sakauti Tanda, Muzaffarnagar road, Meerut, U.P.

AND WHEREAS, CPCB issued closure direction dated 07.02.2018 under section 5 of Environment Protection Act, 1986 to the Unit to comply with the following directions;

1. The Unit was directed to close down its sugar manufacturing operations with immediate effect and shall not resume its operation.
2. The Unit shall dismantle the bypass arrangement and stop untreated effluent discharge immediately.
3. The Unit shall install & commission ETP system upto tertiary treatment level including adequate treatment system for spray pond overflow effluent in case of double sulphitation process (Brine recovery system to be installed in case of sugar refinery having Ion Exchange Process for sugar melt de-colorization).
4. The Unit shall restrict effluent storage capacity to 15 days.
5. The unit shall also comply with new standards notified G.S.R. 35 (E), MoEF&CC, January 12, 2016 for effluent disposal, waste water conservation and pollution control management.
6. To utilise treated effluent meeting the prescribed norms for irrigation as per the irrigation management plan validated by expert institutions namely, NSI, Kanpur/ VSI, Pune/ Agricultural Institutions.
7. The unit shall inform to CPCB about the closure of operation immediately.
8. The unit shall seek permission from CPCB before resumption of manufacturing operations.

AND WHEREAS, the compliance status of direction dated 07.02.2018 submitted by the unit letter dated 22.02.2018 & 01.10.2018 were examined, and

WHEREAS, the Unit was re-inspected on 01.03.2018 by officials of CPCB Delhi and following observations were made;

1. The Unit was operational without having valid consent to operate. Valid consent under Water (Prevention and Control of Pollution) Act, 1974 & Air (Prevention and Control of Pollution) Act, 1981 was expired on 31.12.2017.
2. Bypass arrangements of untreated spray pond overflow effluent discharge to outlet of ETP channel has been blocked with cement lining, and spray pond overflow pipeline was not dismantled permanently.
3. Analysis of treated effluent sample showed pH-7.32 as against norms of 5.5-9.0, **BOD-42 mg/l** against norms of 30 mg/l, COD-202 mg/l against norms of 250 mg/l, and **TSS-108 mg/l** against norms of 30 mg/l which indicated non-compliance w.r.t. pH, BOD, COD, and TSS with effluent surface discharge norms prescribed under Environment (Protection) Rules, 1986.
4. Manufacturing process and ETP were operational at the time of inspection which is violation of closure direction dated 07.02.2018 issued to the Unit.

(Contd..3/-)

AND WHEREAS, the Unit submitted the revalidated adequacy assessment reports prepared by NSI, Kanpur vide letter dt. 11.05.2018; and as per the report following recommendations have been made by VSI, Pune :

1. Flow meters to be installed at major unit operations to ascertain and control hot and cold water requirement.
2. Flow meters to be installed at various consumption points.
3. Flow meters to be installed at ETP inlet and outlet.
4. Installation of cooling tower for machinery cooling water and reusing of all machinery cooling water through UGR
5. To reduce chemical, steam consumption and shock load on ETP, it is also suggested to replace existing cleaning system with hydro-jet cleaning system.
6. The ETP system is adequate for its installation capacity of 1800 TCD cane crushed and effluent generation is about 188.93 litre/ton 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.

(Contd..4/-)

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 07.09.2018 submitted their compliance status of the Charter, which was examined and following observations were made:

1. The unit is in the process of installing necessary flow meters at requisite points as prescribed under the Charter and has assured completion of the same by 10.09.2018.
2. The unit has submitted action plan/ compliance report on upgradation of ETP.
3. The unit is maintaining proper logbook for bore-well readings thereby recording their fresh water consumption on regular basis.
4. The unit shall employ hydro-jet for cleaning of heat exchanger unit.
5. The unit has already set up environmental laboratory with dedicated technical staff.
6. The unit has planned to arrange training for its technical staff on ETP Operation and Maintenance.
7. The unit has submitted compliance report on BMT for Water Recycling and Pollution Prevention.

AND WHEREAS, the Three Member Committee in its meeting held on 04.10.2018 examined the revalidated adequacy assessment report, & implementation status of the Charter and recommended that the unit may be allowed to resume operation.

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, Shakti Tanda, Muzaffarnagar road, Meerut) is directed to comply with the following directions before commencement of crushing season 2018-2019;

1. The unit shall start its operation only after obtaining the valid consent from the Uttar Pradesh Pollution Control Board.
2. The unit shall implement the observation & recommendation of the revalidated adequacy assessment of ETP.
3. The unit shall install sealed 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.

(Contd..5/-)

7. The unit shall carry out colour coding of pipelines carrying recycled process water and fresh process water.
8. The unit shall commission mechanical sludge handling system of adequacy capacity.
9. The unit shall carry out analysis of effluent discharge parameters notified under Environment (Protection) Rules, 1986 and log book should 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 audit of ETP duly validated by reputed Govt. 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, the revocation order will automatically stand withdrawn and the closure order will again become operative and CPCB will be constrained to initiate action against the Unit (M/s Indian Potash Ltd, Shakti Tanda, Muzaffarnagar road, Meerut.) without giving any further notice in accordance with the provisions of the Environment (Protection) Act, 1986.


(S. P. SINGH PARIHAR)
CHAIRMAN

(Contd..6/-)

of mm

of c

Muzaffarnagar

Copy to:

1. **Principal Secretary (Sugar)**
Sugar Industry and Cane Development
Department, "G" Block, 2/3, Mantri Wing, 4th
Floor, Bapu Bhawan, Vidhan Sabha Marg
Lucknow - 226 001
2. **The Chairperson**
Uttar Pradesh Pollution Control Board,
Building No. TC-12V, Vibhuthi Khand,
Gomti Nagar, Lucknow – 226 010
3. **Joint Secretary (CP Division)**
Ministry of Environment, Forest & Climate Change
Prithvi Block, Indira Paryavaran Bhawan,
Jorbagh Road, New Delhi – 110 003
4. **District Magistrate**
Muzaffarnagar-250223
Uttar Pradesh
5. **Superintending Engineer**
Paschimanchal Vidyut Vitran Nigam Ltd.
Muzaffarnagar, U.P.
6. **Regional Director**
Regional Directorate
Central Pollution Control Board, PICUP Bhawan,
Ground Floor, Vibhuthi Khand, Gomti Nagar,
Lucknow – 226 010
7. In-charge, IT Division, CPCB
8. Master file/Guard file WQM II, CPCB Delhi

With request to ensure compliance of the directions.

:With request to ensure compliance of the directions.

: For kind information, please

:With request to ensure compliance of the directions.

:To reconnect the power supply of the unit, please

:For follow up and ensuring compliance


(Prashant Gargava)
MEMBER SECRETARY