

SPEED POST

B-190197/WQM-II(RG)/CPCB/Sugar/80/2017-18 9853

August 8th, 2018
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To,

**M/s Wave Industries Ltd.,
Panni Nagar, Bulandshahar,
Uttar Pradesh-203001**

**DIRECTION UNDER SECTION 5 OF THE ENVIRONMENT (PROTECTION) ACT, 1986-
CLOSURE THEREOF**

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 & Climate Change, 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 there under and also to meet the consent conditions granted by State Pollution Control Board (SPCBs) / Pollution Control Committees (PCCs); and

WHEREAS, M/s Wave Industries Ltd., Panni Nagar, Bulandshahar, U.P. (hereinafter referred as 'the Unit') is involved in the process of sugar manufacturing from crushing of cane; and

AND WHEREAS, CPCB issued direction dated 16.06.2017 to the Unit under section 5 of Environment Protection Act, 1986 to remain closed till compliance with the following directions:

1. i. The Unit shall submit the following reports to CPCB duly validated by reputed institutions like National Sugar Institute, Kanpur/Vasandada Sugar Institute, Pune /IITs within 60 days;
 - a) ETP adequacy assessment reports;
 - b) time bound action plan for ETP augmentation & upgradation upto tertiary treatment level; to comply with the standards notified G.S.R. 35 (E), MoEF&CC, January 14, 2016 for effluent disposal, & waste water conservation.

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- c) action Plans to achieve the notified effluent discharge quality and generation standards.
- d) irrigation management plan as per the new notified standards on January 14, 2016; and
- ii. The Unit shall restrict the storage capacity of lined lagoon upto 15 days of effluent generation.
- iii. The Unit shall meet the BOD-30mg/l standards for discharging any effluent on land /surface water body whereas effluent stored in lined lagoons/tanks of capacity not more than 15 days shall comply with BOD-100 mg/l standards.
2. The Unit shall stabilize the ETP by September 2017 before commencing of the new crushing season. The unit will not be allowed to resume manufacturing operations till stabilization of ETP system.
3. The Unit shall upgrade of process technology, ETP system & adapt the best practice in a time bound manner and submit a report to CPCB before starting the next crushing season.
4. The Unit shall seek permission from CPCB, after compliance with the above mentioned directions before resumption of manufacturing operations.

AND WHEREAS, the Unit has submitted adequacy reports vide letter dt. 26.12.2017 validated by NSI, Kanpur and following observations are made;

- 1) The Unit does not have system for tertiary treatment of effluent.
- 2) The Unit does not have lagoon for the storage of treated effluent.
- 3) Flow meters are required to installed at manufacture processes, borewell, spray pond overflow, inlet and outlet of ETP.
- 4) The Unit does not have system for treatment of spray pond overflow.

WHEREAS, the Unit (M/s Wave Industries Ltd., Panni Nagar, Bulandshahar, U.P.) was inspected on 05.02.2018 by officials from CPCB and following observations are made;

1. The Unit was operational. However, ETP was partially functional and treated effluent was not flowing from outlet of ETP. Therefore, lagoon was empty and sample could not be taken from outlet of ETP due to non-availability of treated water.
2. The Unit was operational without having valid consent to operate. However, the Unit has applied for obtaining consent under Water (Prevention and Control of Pollution) Act, 1974 & Air (Prevention and Control of Pollution) Act, 1981.
3. Flowmeters were installed at both bore well. However, log book was not maintained for abstraction and consumption of water.
4. Flowmeters were not installed at spray pond overflow, inlet and outlet of ETP.
5. Lagoon was constructed but the repairing of lagoon is still required.
6. The Unit has not submitted irrigation management plan.

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AND WHEREAS, the Unit (M/s Wave Industries Ltd., Panni Nagar, Bulandshahar, U.P.) was re-inspected on 13.04.2018 by officials from CPCB, Delhi and following observations are made;

1. The Unit and ETP were operational.
2. The Unit was operational without having valid consent to operate. However, 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. Effluent Treatment Plant (ETP) is comprised of Oil Grease tank, Equalisation Tank, Primary Clarifier, Aeration Tank, Secondary Clarifier & Tertiary treatment (Filtration units).
4. Analysis of treated effluent sample shows pH-7.48 as against norms of 5.5-9.0, BOD-05 mg/l against norms of 30 mg/l, COD- 41 mg/l against norms of 250 mg/l & TSS-BDL against norms of 30 mg/l.
5. MLSS in aeration tank was 421 mg/l which indicates unstabilised aeration tank and possibility of dilution of ETP system.
6. Flowmeters were installed at both bore well. However, flowmeters were not functional.
7. Flowmeters were installed at inlet and outlet of ETP.
8. Flowmeters were not installed at spray pond overflow and manufacture process.
9. Lagoon was constructed. However, treated effluent is not stored into the lagoon and treated effluent is discharged directly into irrigation field.
10. OCEMS was installed and connected to CPCB server.
11. The Unit has not submitted irrigation management plan.
- 12. The Unit was operational in violation of CPCB closure direction dated 16.06.2017 issued under section 5 of Environment (Protection) Act, 1986.**

It is evident that the Unit is not operating ETP system properly and there is possibility of dilution of ETP system.

WHEREAS, Department of Sugar Industry & Sugar Cane Development, Govt. of Uttar Pradesh issued minutes of meeting held on 06.07.2018 and directed to submit time bound action plan for implementation of Bare Minimum Technology, check points and action points finalized in the meeting.

WHEREAS, Three-Member Committee examined and recommended in its meeting held on 12.07.2018 that the Unit shall remain closed based on the non-compliance observed during the inspection conducted on 13.04.2018.

AND 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 Wave Industries Ltd., Panni Nagar, Bulandshahar, U.P.) is directed to remain closed and to comply with the following directions;

1. The Unit shall submit time bound action plan as per minutes of the meeting held on 06 July 2018 issued by Department of Sugar Industry & Sugar Cane Development, Govt. of Uttar Pradesh.

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2. The Unit shall submit implementation of action plan of adequacy report.
3. The Unit shall install 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 having high pressure boiler (>45 Kg/cm²) shall install & commission Condensate Polishing Unit (CPU) within 45 days for treatment of condensate water to ensure its reuse & recycle within the process.
5. The Unit shall restrict the effluent storage capacity to 15 days.
6. The Unit shall 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 implement the observation and recommendation of the adequacy report before resumption of its operation.
8. The Unit shall get the verification of implement status of the recommendation of adequacy report including ETP performance assessment & effluent generation assessment done by the same institute which carried out adequacy assessment and submit the report to CPCB before resumption of manufacturing operations.
9. The Unit shall submit revalidated ETP adequacy assessment report.
10. The Unit shall seek permission from CPCB before resumption of operation after compliance the above directions.

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

(S. P. SINGH PARIHAR)
CHAIRMAN

Copy to

1. **Member Secretary**
Uttar Pradesh Pollution Control Board,
Building No. TC-12V
Vibhuti Khand, Gomti Nagar,
Lucknow – 226 010
2. **Joint Secretary (CP Division)**
Ministry of Environment, Forest & C.C
Prithvi Block, Indira Paryavaran Bhawan,
Jorbagh Road, New Delhi – 110 003

: With a request to ensure compliance of the directions.

:For kind information, please.

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| <p>3. District Magistrate
Bulandshahar -203001, U.P.</p> | <p>:With request to the compliance of the directions.</p> |
| <p>4. Superintending Engineer
Electricity Distribution Division
Pashchimanchal Vidyut Vitaran Nigam Ltd
Bulandshahar -262201, U.P.</p> | <p>:With a direction to disconnect power supply.</p> |
| <p>5. Regional Director
Regional Directorate,
Central Pollution Control Board PICUP Bhawan,
Ground Floor, Vibhuti Khand, Gomti Nagar,
Lucknow – 226 010</p> | <p>:For follow up and ensuring compliance of the direction.</p> |
| <p>✓ 6. In-charge IT Division, CPCB Delhi</p> | |
| <p>7. Guard file, WQM-II, CPCB Delhi</p> | |


(Prashant Gargava)
MEMBER SECRETARY