



**Speed Post**

B-190198/NGRBA(RG)/CPCB/Distillery/17/2016-17

3<sup>rd</sup> June, 2020

To,  
M/s National Industrial Corporation Ltd.,  
Raja-Ka-Sahaspur, Bilari,  
Distt. Moradabad  
Uttar Pradesh

5<sup>th</sup> June, 2020

**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 National Industrial Corporation Ltd. Raja-Ka-Sahaspur, Bilari, Moradabad, UP (hereinafter referred as 'the Unit') is involved in the process of extra neutral alcohol and rectified spirit using molasses as raw material; and

**WHEREAS**, CPCB issued direction dated 22.12.2016 under section 18(1)(b) of the Water Act, 1974 to UPPCB for issuance of Closure direction under section 33(A) of the Water Act, 1974 to the unit for non-implementation of ZLD action plan; and

**WHEREAS**, UPPCB issued direction dated 06.02.2017 under section 33(A) of water act, 1974 to the unit to close down all the manufacturing operations till implementation of prescribed action plan for ZLD; and

**WHEREAS**, CPCB issued closure direction dated 06.04.2017 under section 5 of Environment (Protection) Act, 1986 to the unit for non-installation of online monitoring system; and

**WHEREAS**, CPCB issued direction dated 16.06.2017 under section 5 of Environment (Protection) Act, 1986 to the unit to remain closed and to comply with the following directions:

1. The unit shall implement action plan for achieving ZLD as per the option prescribed vide CPCB direction dated 24.02.2015 & 23.04.2015.
2. The unit shall install online devices (web camera, flow meter and particulate matter) and provide connectivity to CPCB/U PPCB server for continuous supply of data transmission.
3. The unit shall submit following reports duly validated by reputed institutions like National Sugar Institute, Kanpur, Vasantdada Sugar Institute, Pune and IITs to CPCB and U PPCB within 60 days:
  - a) Assessment of the manufacturing technology for generation of spent wash and adequacy assessment of ZLD system comprising of Biomethanation, RO, MEE, composting/incineration system and steam availability, etc.
  - b) Water audit and mass balance reports to establish spent wash generation rate,
  - c) Action Plans to achieve Zero Liquid Discharge (ZLD),
  - d) To restrict lined effluent storage capacity to 30 days, and
  - e) Assessments of availability of press mud, compost yard, composting process, sell of compost and compost quality.
4. The unit shall install mass flow meters at inlet of MEE, outlet of MEE and to make arrangement for continuous online transmission of spent wash flow measurements (namely Weak Spent Wash, Strong Spent Wash)/ web camera data of Spent Wash generation, concentration & MEE operation by providing linkage to CPCB & U PPCB servers.
5. The unit shall identify recipient drains/rivulets and u/s & d/s locations in consultation with U PPCB for monthly monitoring by industry to ensure ZLD from distilleries within 30 days. The monitoring report shall be submitted to CPCB on monthly basis.
6. The unit will provide documentary support for procurement/availability of press mud, sell of compost and compost quality on monthly basis (by 10<sup>th</sup> of every month) to CPCB/U PPCB.
7. The unit shall seek permission from CPCB, after compliance with the above-mentioned directions before resumption of manufacturing operations.

**AND WHEREAS**, the Unit's letter dt. 10.07.2019 was examined and CPCB vide letter dated 15.10.2019 asked to the unit to remain closed and to comply with CPCB direction dated 16.06.2017; and

**WHEREAS**, the unit submitted a letter dated 12.02.2020 with request of revocation of CPCB closure direction dated 16.06.2017 along with the Self-Certificate and Adequacy Report prepared by NSI, Kanpur; and

**WHEREAS**, the unit has again submitted letter through email dated 04.04.2020 and dated 07.04.2020 for getting connectivity of the installed OCEMS with CPCB/SPCB server for transmitting data; and

**WHEREAS,** CPCB examined all the documents submitted by the unit and following observations are made:

1. The unit was not in operation during visit of NSI, Kanpur team of experts for preparation of adequacy report on 23<sup>rd</sup>-24<sup>th</sup> January-2020.
2. The available plant and machinery are adequate to cope up with the requirements of ZLD w.r.t expired consented production capacity of 40 KLPD and spent wash generation rate-9 KL/KL of alcohol production.
3. The unit has installed Multiple Effect Evaporator of 840 m<sup>3</sup>/day capacity and Condensate Polishing Unit of 700 KLD capacity for treatment of MEE condensate, Spent lees, Cooling tower blowdown and Floor washing to comply with the CPCB norms to achieve ZLD through bio-composting route (without bio-methanation).
4. The CPU comprises of Collection tank, pH correction tank, UASB Reactor, Aeration tank (MBBR technology), Sludge Drying bed, Secondary Clarifier, Filter feed tank, Multi-Grade Filter and Activated Carbon Filter.
5. Treated effluent from CPU will be utilized for Molasses dilution/cooling tower make up/floor washing.
6. The unit has 7.5 acres of active bio-compost area, which is adequate for 40 KLPD production capacity, 270 days of operation per annum, spent wash generation rate-9 KL/KL of alcohol production, 04 cycles per annum and Press mud to Spent wash utilization ratio as 1:1.6. The unit will purchase press mud from nearby sugar factories and will not operate bio-composting during rainy season.
7. The unit has lagoon having capacity of 22,500 m<sup>3</sup>, however as per the calculation, the unit shall have lagoon of 4320 m<sup>3</sup> storage capacity equivalent for 30 days of concentrated spent wash generation.
8. The unit has installed Mass flow meters at MEE feed & MEE concentrate, Web camera at lagoon area & at Bio-compost area as well as Online stack monitoring system at boiler of 12 TPH for Particulate matter.

**AND WHEREAS,** CPCB constituted Four-member committee vide office order dated 24.02.2020 having representative from NMCG & MoEF&CC to examine the representations for revocation of closure directions issued under section 5 of the Environment (Protection) Act, 1986. The committee has examined the unit's replies as well as the Adequacy Report submitted by the unit and recommended for conditional revocation of the closure directions dated 06.04.2017 & 16.06.2017.

**NOW THEREFORE,** in view of the above observations and in exercise of the powers delegated to the Chairman, CPCB under section 5 of the Environment (Protection) Act, 1986, the Unit, M/s National Industrial Corporation Ltd. Raja-Ka-Sahaspur, Bilari, Moradabad, UP, is hereby directed to comply with the following:

1. The unit may resume its operation at a capacity of 40 KLD of alcohol production only after obtaining valid consent from UPPCB.

2. The unit shall submit performance assessment report for ZLD compliance within 60 days of resumption of operation.
3. The unit shall identify recipient drains/rivulets and u/s & d/s locations in consultation with UPPCB for monthly monitoring by industry to ensure ZLD from distilleries within 30 days. The monitoring report shall be submitted to CPCB on monthly basis.
4. The unit shall provide documentary evidence for procurement/ availability of press mud, sell of compost and compost quality on monthly basis (by 10<sup>th</sup> of every month) to CPCB/UPPCB.
5. The unit shall restrict its lagoon capacity equivalent to 30 days of concentrated spent wash generation as per CPCB direction dated 07.12.2015 by dismantling/levelling/filling the excess capacity of lagoon and a time bound action plan within 30 days to CPCB.

In case of default in compliance with the above directions by the Unit, CPCB will be constrained to initiate appropriate action against the Unit, in accordance with the provisions of the Environment (Protection) Act, 1986.

  
 05/06/2020  
 (SHIV DAS MEENA)  
 CHAIRMAN

**Copy to:**

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| <p>1. <b>The Member Secretary</b><br/>         Uttar Pradesh Pollution Control Board,<br/>         Building No. TC-12V, Vibhuthi Khand,<br/>         Gomti Nagar, Lucknow – 226 010</p>                    | <p>: With request to ensure compliance of the directions.</p> |
| <p>2. <b>Joint Secretary (CP Division)</b><br/>         Ministry of Environment, Forest &amp; C.C<br/>         Prithvi Block, Indira Paryavaran Bhawan,<br/>         Jorbagh Road, New Delhi – 110 003</p> | <p>: For kind information please</p>                          |
| <p>3. <b>Regional Director</b><br/>         Central Pollution Control Board<br/>         PICUP Bhawan, Ground Floor,<br/>         Vibhuti Khand, Gomti Nagar,<br/>         Lucknow – 226 010</p>           | <p>: For follow up and ensuring compliance</p>                |
| <p>4. <b>District Magistrate,</b><br/>         Moradabad–Uttar Pradesh</p>   | <p>: With request to ensure compliance of the direction</p>   |

*Shiv Das Meena*

5. **Superintending Engineer**  
Paschimanchal Vidyut Vitran Nigam  
Ltd., Distt. Moradabad

: With request to restore the power  
supply of the unit please

✓ 6. **The In-charge, IT Division, CPCB**

7. **Master file/Guard file, WQM II, CPCB  
Delhi**

  
(PRASHANT GARGAVA)  
MEMBER SECRETARY