

# MAHARASHTRA POLLUTION CONTROL BOARD

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RED/LSI EIC no.- AD-8429-11

Consent No. MPCBHQ/AS(T)/Pune/Establish(amendment)/CC- 32

Date: 23/11/2011

Consent to Establish under Section 25 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 5 of the Hazardous Wastes (Management, Handling & Trans Boundary Movement) Rules 2008.

[To be referred as Water Act, Air Act and H W (M, H & TM) Rules respectively].

CONSENT is hereby granted to

M/s Neel Gagan Grain Distilleries Pvt. Ltd.,  
(Grain Based Distillery),  
MIDC Area Paithan, Tal-Paithan,  
Dist-Aurangabad.

located in the area declared under the provisions of the Water Act, Air act and Authorization under the provisions of H W (M, H & TM) Rules subject to the provisions of the Act and the Rules and the Orders that may be made further and subject to the following terms and conditions:

1. The Consent to Establish is granted for a period up to--  
Commissioning of the project or 5 years whichever is earlier

**“Consent to Establish will be operational only after obtaining Environmental Clearance from Competent Authority by the applicant and subject to the compliance of conditions stipulated in an Environmental Clearance including conditions which may be more stringent, if stipulated by / in the Environmental Clearance.”**

2. The consent is valid for the manufacture of –

Sr.No.	Products	Maximum Quantity
1.	Rectified Spirit	3600 KL/M
2.	Extra Neutral Alcohol	2880 KL/M
3.	Fusel Oil	150 KL/M
4.	Absolute Alcohol	720 KL/M
5.	IMFL	75000 Cases/M
6.	CL	75000 Cases/M
7.	DDGS	75 T/M
8.	Power Generation	3 MW

3. **CONDITIONS UNDER WATER ACT :**

- (i) The daily quantity of trade effluent (including co-gen effluent) from the factory shall not exceed 3472 m<sup>3</sup>.
- (ii) The daily quantity of sewage effluent from the factory shall not exceed 10 m<sup>3</sup>.
- (iii) **Trade Effluent Treatment (a) Process:** The industry shall provide integrated effluent for manufacture of cattle feed using minimum 30 % concentrate of solid with necessary smell nuisance abatement measures including provisions of enclosed operations. The industry shall operate with the zero discharge of industrial effluent.  
(b) Power plant: The applicant shall provide comprehensive treatment system consisting of primary/ secondary and or tertiary as is warranted with reference to influent quality and operate and maintain the same continuously so as to achieve the quality of treated effluent to the following standards.



**A. Industrial Effluent of Power Plant:**

The industrial effluent arising from various sections of Power Plant shall be given such treatment either collective or individually as the site condition permits that the final quality of effluent shall have following character standards:

**B. Condenser Cooling Water:**

- |                            |               |   |
|----------------------------|---------------|---|
| 1) pH                      | Between       | 6.5 to 8.5  |
| 2) Temperature             | Not to exceed | 5 Degree C.<br>Higher than the intake water<br>temperature. |
| 3) Free available Chlorine | Not to exceed | 0.5 mg/l  |

**C. Boiler Blow down:**

- |                     |               |           |
|---------------------|---------------|-----------|
| 1) Suspended Solids | Not to exceed | 100 mg/l. |
| 2) Oil & Grease     | Not to exceed | 20 mg/l.  |
| 3) Copper (Total)   | Not to exceed | 1 mg/l.   |
| 4) Iron (Total)     | Not to exceed | 1 mg/l.   |

**D. Cooling Tower Blow down:**

- |                            |               |           |
|----------------------------|---------------|-----------|
| 1) Free available Chlorine | Not to exceed | 0.5 mg/l. |
| 2) Zinc                    | Not to exceed | 1 mg/l.   |
| 3) Chromium (Total)        | Not to exceed | 0.2 mg/l. |
| 4) Phosphate               | Not to exceed | 5 mg/l.   |

(iv) **Trade Effluent Disposal: (a) Process:** The treated effluent shall be 100% reused in the process and there shall be zero discharge. The effluent shall be stored in a leak proof storage tank to take care during rainy days. In no case, at any time effluent shall find its way to any water body directly or indirectly. The distillery operation shall be stopped immediately in case of failure of above treatment and disposal facility and shall not start without permission of M.P.C. Board.

**(b) Power Plant :** The treated effluent shall recycled and reused to the maximum extent in the process and remaining shall be utilised on land for gardening.

(v) **Sewage Effluent Treatment:** The applicant shall provide comprehensive treatment system as is warranted with reference to influent quality and operate and maintain the same continuously so as to achieve the quality of treated effluent to the following standards.

- |                       |               |           |
|-----------------------|---------------|-----------|
| (1) Suspended Solids  | Not to exceed | 100 mg/l. |
| (2) BOD 3 days 27° C. | Not to exceed | 100 mg/l. |

(vi) **Sewage Effluent Disposal:** The treated domestic effluent shall be soaked in a soak pit, which shall be got cleaned periodically and overflow shall be used for gardening purpose within premises.

**(vii) Non-Hazardous Solid Wastes:**

<u>Sr. No.</u>	<u>Type of waste</u>	<u>Quantity</u>	<u>Treatment &amp; Disposal</u>
1.	DDGS	75 T/D	By sale for cattle feed
2.	Fly ash		

(viii) **The spent grain shall not be stored for more than 24 hrs. & moisture content should be less than 5% by dry basis, it should not cause any smell nuisance in the surrounding area.**

**(ix) Other conditions:**

- (1) The industry should monitor effluent quality regularly.
- (2) In no case effluent shall find its way to any water body directly or indirectly at any instances.



4. The applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Cess Act, 1977 ( to be referred as Cess Act ) and Rules there under ;  
The daily water consumption for the following categories is as under:

(i) Domestic	...	12.00	CMD
(ii) Industrial Processing	...	1350.00	CMD
(iii) Industrial (a) Cooling		1346.00	CMD
(b) Boiler	...	1080.00	CMD

The applicant shall regularly submit to the Board the returns of water consumption in the prescribed form and pay the Cess as specified under Section 3 of the said Act.

5. **CONDITIONS UNDER AIR ACT:**

(i) The applicant shall install a comprehensive control system consisting of control equipments as is warranted with reference to generation of emission and operate and maintain the same continuously so as to achieve the level of pollutants to the following standards:

(a) **Control Equipment:** Bag filter of sufficient capacity shall be provided to Boiler.

(b) **Standards for Emissions of Air Pollutants:**

(i)	SPM	Not to exceed	150	mg/Nm <sup>3</sup> .
	SO <sub>2</sub>	Not to exceed	924	kg/day

(ii) The applicant shall observe the following fuel pattern:-

<u>Sr.No.</u>	<u>Type of Fuel</u>	<u>Quantity</u>
1.	Coal	3500 Kg/Hr.
2.	HSD	5000 Litrs/D

(iii) The applicant shall erect the chimney(s) of the following specifications:-

<u>Sr.No.</u>	<u>Chimney attached to</u>	<u>Height in Meters.</u>
1.	Boiler	45.0
2.	DG Set (2000 KVA X 2)	10.0 each

(iv) The applicant shall provide ports in the chimney/(s) and facilitates such as ladder, platform etc. For monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted / displayed to facilitate identification.

(v) The industry shall take adequate measures for control for noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB(A) during day time and 70 dB(A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.

C) **Conditions for D.G. Set :-**

- 1] Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
- 2] Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/acoustic treatment of the room should be designed for minimum 25 dB(A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB(A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 metres from acoustic enclosure/room and then average.
- 3] The industry shall take adequate measures for control of noise levels from its own sources within the premises in respect of noise to less than 55 dB(A) during day time and 45 dB(A) during the night time. Day time is reckoned between 6 a.m. to 10 p.m. and night time is reckoned between 10 p.m to 6 a.m.
- 4] Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
- 5] Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
- 6] A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
- 7] D.G. Set shall be operated only in case of power failure.
- 8] The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.



**Other Conditions:**

- 1) The industry should not cause any nuisance in surrounding area.
- 2) The industry should monitor stack emissions and ambient air quality regularly.

**6. CONDITIONS UNDER HAZARDOUS WASTE (MANAGEMENT, HANDLING & TRANSBOUNDARY MOVEMENT) RULES, 2008.**

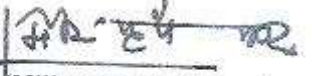
1. The applicant shall handle hazardous wastes as specified below:

Sr. No.	Item No. of Process generating HW as per Schedule-I	Type of Waste	Quantity	Disposal
The industry shall not generate any hazardous waste.				

7. Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.
8. **General conditions:**
  - (i) The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30<sup>th</sup> September every year on available open plot area, no. of trees surviving as on 31<sup>st</sup> March of the year and no. of trees planted by September end.
  - (ii) The applicant shall provide for an alternate electric power source sufficient to operate all pollution control facilities installed by the applicant and operate the same in case of power failure to maintain compliance with the terms and conditions of the consent. In the absence of same, the applicant shall stop, reduce or otherwise, control production to abide by terms & conditions of this consent regarding pollution levels.
  - (iii) The firm shall submit MPCB, the Environmental Statement Report for the financial year ending 31<sup>st</sup> March in the prescribed Form-V as per the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992 before 30<sup>th</sup> September every year.
  - (iv) The applicant shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained. The applicant shall also submit a comparative statement of designed power and chemical consumptions vis-a vis actual power and chemical consumption along with Environmental statement.
  - (v) Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers down- stream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
  - (vi) The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous wastes to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
  - (vii) The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
  - (viii) The applicant shall maintain good housekeeping and take adequate measures for control of pollution from all sources so as not to cause nuisance to surrounding area / inhabitants.

9. The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before actual commencement of the production activity.
10. The applicant shall not take any effective steps towards implementation of the project before obtaining Environmental Clearance as per EIA notification, 2006. If any non-compliance of the conditions of consent to Establish observed, the Board will initiate appropriate legal action including forfeiture of bank guarantee, revocation of consent & further action.
11. This Board reserves the right to amend, revoke or add any conditions in this consent and same shall be binding on the applicant.
12. This is issued with the overriding effect over the previous consent no. MPCB/PCI-III/EIC-AD-1064-08/187 dated 15/07/2008.
13. This consent is issued with the recommendation of Consent Committee Meeting held on 04.11.2011 of the Board and with the approval of the Hon'ble Chairman of the Board.
13. The Capital Investment of the unit is Rs. 80.73/- Crores.

For and on behalf of the  
Maharashtra Pollution Control Board

  
Milind Mhaiskar, IAS)  
Member Secretary

To,  
M/s Neel Gagan Grain Distilleries Pvt. Ltd.,  
(Grain Based Distillery),  
MIDC Area Paithan, Tal-Paithan,  
Dist-Aurangabad.

Copy to:

- 1) Regional Officer, MPCB, Aurangabad.
- 2) Sub-Regional Officer, MPCB, Aurangabad-I.
- 3) Chief Accounts Officer, MPCB, Mumbai

Received consent fee of

Amount	DD No.	Date	Drawn on
Rs 75,000/-	002796	20/06/2011	Axis Bank
Rs. 50,000/-	008325	11/11/2011	Axis Bank

4) Cess Wing/Master file.