



UTTAR PRADESH POLLUTION CONTROL BOARD

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Ref No. - 172/UPHOC2/EIA/KANPUR DEHAT/2022

Dated:- 12/12/2022

To ,

Shri CHETAN SHARMA

M/s AARTI DISTILLERIES PRIVATE LIMITED

Village- Chiraura, Tehsil- Akbarpur, District- Kanpur Dehat (U.P.),KANPUR DEHAT,208002
KANPUR DEHAT

Sub : Certificate of “No Increase in Pollution Load” in compliance of notification issued by Ministry of Environment Forest & Climate Change, Government of India, vide its notification no. S.O. 980(E) 2nd March, 2021

Sir.

Kindly refer to the application dt 11/12/2022 related to sector Distillery for obtaining “No Increase in Pollution Load Certificate” in compliance of notification issued by Ministry of Environment Forest & Climate Change, Government of India, vide its notification no. S.O. 980(E) 2nd March, 2021.

That Ministry of Environment Forest & Climate Change, Government of India, vide its notification no. S.O. 980(E) 2nd March, 2021 exempted the requirement for prior Environmental Clearance for cases of change in raw material mix without change in the quantity and pollution load as prescribed in the Environmental clearance of the project. The said provisions made in notification dated 2nd March, 2021 are as below

Existing projects (having Prior Environmental Clearance) with no increase in pollution loads: Any increase in production capacity in respect of processing or production or manufacturing sectors (listed against item numbers 2, 3, 4 and 5 in the Schedule to this notification) with or without any change in (i) raw material-mix or (ii) quantities within products or (iii) number of products including new products falling in the same category or (iv) configuration of the plant or process or operations in existing area or in area contiguous to the existing area (for which prior environmental clearance has been granted) shall be exempt from the requirement of Prior Environmental Clearance provided that there is no increase in pollution load (derived on the basis of such Prior Environmental Clearance)

In compliance of the provisions of the notification no. S.O. 980(E) 2nd March, 2021, the applicant has submitted the the following documents

1. “No Increase In Pollution Load” certificate from the Environmental Auditor or reputed institutions empanelled by the State Pollution Control Board or Pollution Control Committee or Central Pollution Control Board or Ministry of Environment, Forest and Climate Change
2. Last Consent to Operate certificate for the project or activity.
3. Online system generated acknowledgement of uploading of intimation and “No Increase In Pollution Load” certificate on PARIVESH Portal
4. Scan Copy of form only submitted for “No Increase In Pollution Load” certificate on PARIVESH Portal

After the examination of the documents submitted by the applicant “No Increase in Pollution Load Certificate” is hereby issued with the following observation and conditions with the approval of competent authority

Obervation and Conditions

The proposal submitted by Environmental Auditor has been evaluated and concluded that the raw material mix shall be associated with following aspects related to pollution load.

I. The Project under consideration is for addition of alternative / Change in feed stock as Grain (For 25 KLD Malt Based) operation without change in production capacity: 150 KLD (100 % Grain based Operation) Distillery by M/s Aarti Distilleries Private Limited.

II. Unit will expand CPU capacity 850 cubic meter/day along with Reverse Osmosis System to enable recycling of MEE condensate, boiler blow down etc in order to fulfill the needs of additional fresh water.

III. Fresh water requirement will be reduced by 104 KLD during 100 % Grain based operation.

IV. Pollutant load like BOD, COD, TDS and TSS in effluent will be reduced during 100 % Grain based operation(Mode -2) .

V. Total BOD load during Grain + Malt based operation is 24440 kg/day which will be reduced to 19800 kg / day during 100 % Grain based operation.

VI. Total COD load during Grain + Malt based operation is 48880 kg/day which will be reduced to 39600 kg/day during 100 % Grain based operation.

VII. Total TDS load during Grain + Malt based operation is 30550 Kg/day which will be reduced to 24750 kg/ day during 100 % Grain based operation.

VIII. Total TSS load during Grain + Malt based operation is 12220 Kg/day which will be reduced to 9900 kg/ day during 100 % Grain based operation.

IX. Total generation of fly ash will be same during 100 % Grain based operation.

X. There shall not be any incremental rise with respect to air pollution in view of the fact that Air Pollution Control System (ESP) shall keep particulate matter below 50 mg/Nm³ during 100 % Grain based operation.

XI. Steam requirement will be reduced marginally.

XII. Total PM Load during Grain + Malt based operation is 140.5 kg/day which will be reduced to 135.2 kg/day during 100 % Grain based operation.

XIII. Total NO₂ load during Grain + Malt based operation is 216.6 kg/Day which will be reduced to 204.9 kg/Day during 100 % Grain based operation.

XIV. Total SO₂ load during Grain + Malt based operation is 365.9 kg/day which will be reduced to 359.4 kg/day during 100 % Grain based operation.

XV. Unit will adopt Zero Liquid Discharge in both the mode of Operation. Thus resulting in no increment with respect to water pollution.

XVI. Unit will adopted strategy, spent wash is first fed into the decanter for solid separation and then thin Slop from decanter is being concentrated in MEE then concentrated Spent wash syrup is being mixed with wet cake of decanter which is further converted to DDGS and sold as Cattle feed. Same spent wash treatment technique will be adopted for 100 % Grain based operation.

Hence, in view of the above facts, the UPPCB is of the view that the project of Ethanol by M/s Aarti Distilleries Private Limited, at village Chiraura, Tehsil Akbarpur, District Kanpur Dehat (Uttar Pradesh) due to addition of alternative / change in feed stock as Grain (For 25 KLD Malt Based) operation without change in production capacity: 150 KLD (100 % Grain based Operation) shall result in "No Increase in Pollution Load", hence the project is approved subject to the condition that the project is implemented strictly in accordance with the technical details submitted by the proponent before the Board. The Project Proponent shall ensure strict compliance of the following conditions:

1. Due to change in raw material from Grain + Malt to 100 % Grain without change in RS / INA / GNS production capacity 150 KLD shall result in No Increase in Pollution load subject to the condition that the project is implemented strictly in accordance with the technical details submitted by the Project Proponent in the Board.

2. The Project Proponent shall submit the validation report for 150 KLD in RS / INA / GNS production from any reputed Institute empaneled by UPPCB within 03 months after starting 100 % Grain based operation. If the validation report carried out by any reputed institute is same as claim made by the unit then SPCB may further allow to operate the unit as per proposal of the unit.

3. The unit shall restrict the concentrated spent wash storage capacity to 07 days only (Grain).

4. The unit should submit monthly data of following to UPPCB:

a. Fresh water consumption

b. Production

c. Spent wash generation

d. Slop generation

e. Condensate generation

f. Feed quantity of slop into incinerator / Decanter

g. Yeast sludge generation

h. Boiler ash generation

i. Quantity of Spent lees generation, recycle/reuse and treatment in CPU

5. The unit shall ensure to obtain afresh consent (Water and Air) under the provision of Water (Prevention and control of Pollution) Act, 1974 and Air (Prevention and control of Pollution) Act, 1981 for the proposed production of 150 KLD RS / INA / GNS from UPPCB before starting production of RS / INA / GNS based on 100 % Grain.

6. The industry shall produce RS / INA / GNS 150 KLD maximum either use Grain + Maltor Grain.

7. The unit is hereby directed to apply a fresh for the production of 150 KLD,RS / INA / GNS from 100 % Grain with modified CTE conditions, for obtaining fresh Consent to Operate under the provisions of Water (Prevention and Control of Pollution) Act, 1974 as amended and Air (Prevention and Control of Pollution) Act, 1981

Chief Environmental Officer
(circle-2)

Copy
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Regional Officer, UPPCB, Kanpur Dehat with direction to monitor the compliance of the conditions and send the compliance report to Head Office.

Chief Environmental Officer
(circle-2)