



**Uttar Pradesh Pollution Control Board**

Building. No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone:0522-2720828,2720831, Fax:0522-2720764, Email: info@uppcb.in, Website: www.uppcb.com

**164011/UPPCB/Lucknow(UPPCBRO)/CTO/both/LAKHIMPUR KHIRI/2022**

**Date: 19/09/2022**

To,

M/s

**ZUARI INDUSTRIES LIMITED, DISTILERY DIVISION**

**Village- Khamaria Pandit, Aira Estate, Tehsil Dhaurahara, District Kheri (U.P.),LAKHIMPUR KHERI,**

**Application Id- 17744783**

**Consolidated Consent to Operate and Authorisation hereinafter referred to as the CCA (Consolidated Consent & authorization) (Fresh) under Section-25 of the Water (Prevention & Control of Pollution) Act, 1974 and under Section-21 of the Air (Prevention & Control of Pollution) Act, 1981**

CCA is hereby granted to **ZUARI INDUSTRIES LIMITED, DISTILERY DIVISION** located at **Village-Khamaria Pandit, Aira Estate, Tehsil Dhaurahara, District Kheri (U.P.),LAKHIMPUR KHERI,** subject to the provisions of **the Water Act, Air Act** and the orders that may be made further and subject to following terms and conditions :-

1. This CCA **ZUARI INDUSTRIES LIMITED, DISTILERY DIVISION** granted for the period from **20/09/2022 to 31/12/2023** and valid for manufacturing of following products.

S No	Product	Quantity	Unit
1	Ethanol/RS/ENA/AA (by B-Heavy/Sugar Syrup)	125	Kilo Liters/Day
2	Co-power generation plant.	4.0	Megawatt
3	Ethanol/RS/ENA/AA (by C-Heavy Molasses)	100	Kilo Liters/Day

**2. Conditions under Water(Prevention and Control of Pollution) Act -1974 as amended :-**

(i) The daily quantity of effluent discharge (KLD) :-

Kind of Effluent	Quantity(KLD)	Treatment facility	Discharge point
Domestic	20.0 KLD	Septic Tank	
Industrial	Zero liquid Discharge (ZLD)	ETP	ZLD

(ii) Trade Effluent Treatment and Disposal :-The applicant shall operate Effluent Treatment Plant consisting of primary/secondary and tertiary treatment as is required with reference to influent quantity and quality.

In case of stoppage of functioning of ETP, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.

(iii) The treated effluent shall be recycled to the maximum extent and should be reused within the premises for gardening etc. Quality of the treated effluent shall meet to the following general and specific standards as prescribed under Environment (Protection) Rules, 1986 and applicable to the unit from time-to-time :-

### Industrial Effluent Quality Standard

S.No.	Parameter	Standard
-------	-----------	----------

(iv) Sewage Treatment and Disposal :- The applicant shall provide comprehensive STP as is required with reference to influent quantity and quality. In case of stoppage of functioning of STP, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.

(v) The treated sewage shall be reused in gardening as far as possible. The STP shall be maintained continuously so as to achieve the quality of the treated sewage to the following standards.

S No.	Parameters	Standards
-------	------------	-----------

### 3. Conditions under Air (Prevention and Control of Pollution) Act -1981 as amended :-

i) The applicant shall use following fuel and install a comprehensive control system consisting of control equipment as required with reference to generation of emissions and operate and maintain the same continuously so as to achieve the level of pollutants to the following standards.

#### Air Pollution Source Details

S No.	Air Pollution Source	Type of fuel	Stack no	Control Device	Height of Stack
1	01 nos. Slop Boiler (capacity of 35.0 TPH) attached with Bag filter	Bagasse and Slop	1	Particulate Matter	80 meter from GL

#### Emission Quality Standards

S No.	Stack no	Parameters	Standards
1	1	Particulate Matter	150 mg/Nm <sup>3</sup>

In case of stoppage of functioning of air pollution control equipment, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately

(ii) The unit will not use any type of restricted fuel.

iii) Noise from the D.G. Set and other source(s) should be controlled by providing an acoustic enclosure as is required for meeting the ambient noise standards for night and day time as prescribed for respective areas/zones (Industrial, Commercial, Residential, Silence) which are as follows :-

Day time : from 6.00 a.m. to 10.00 p.m., Night time: from 10.00 p.m. to 6.00 a.m.

Standards for Noise level in db(A) Leq	Industrial Area		Commercial Area		Residential Area		Silence Zone	
	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time
	75	70	65	55	55	45	50	40

#### **4. Essential documents to be submitted by the Industry/Unit as Applicable :-**

- (i) Environment Statement in Form-V of Environment (Protection) Rules, 1986.
  - (ii) Quarterly compliance report of the CCA, photograph of ETP/APCs/Waste Storage Area.
5. Competent Authority reserves the right to change/modify/add any time any condition of this CCA.
6. Unit has to comply with the following specific & general conditions. Non compliance of any provision of this CCA and provisions of the Water Act, Air Act and Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 will result in legal action under the aforesaid Acts and Rules.
7. In compliance to the G.O 1011/81-7-2021-09 (Writ)/2016 dated.13.10.2021 issued by Department of Environment, Forest and Climate Change, Uttar Pradesh. You are directed to develop Miyawaki Forest as per the SOP available at URL:-<http://www.upecp.in/TrainingSession.aspx> for ensuring timely compliance of this direction, you are hereby directed to submit a bank guarantee with minimum validity of one year of the amount equivalent to the sum of initial consent fees (Air and Water) or Rs. 50,000/- (Rs. Fifty Thousand Only) whichever is more, within 30 days from the date of issuance of this certificate. In case of non-compliance of this direction, your consent will be revoked by the Board.
8. If the unit uses the ground water and requires the permission from SGWA/CGWA for water abstraction then the industry will have to obtain No objection certificate for abstraction of ground water. It will be the responsibility of the industry to comply with the various conditions of the NOC obtained from the competent authority and submit to the Board, within 3 months time failing which CTO will be revoked.

#### **Specific Conditions:-**

1. C T O ( w a t e r ) i s s u e d e a r l i e r v i d e l e t t e r n o . 144336/UPPCB/Lucknow(UPPCBRO)/CTO/Water/LAKHIMPUR KHIRI/2021 dated 23.12.2021 and CTO (air) vide letter no. 144352/UPPCB/Lucknow(UPPCBRO)/CTO/air/LAKHIMPUR KHIRI/2021 dated 23.12.2021 (validity upto 31.12.2023) is hereby revoked.
2. This consent is issued to M/s ZUARI INDUSTRIES LIMITED, DISTILLERY DIVISION (Old Name-Gohind Sugar Mills Lit., Distillery unit), Village- Khamaria Pandit, Aira Estate, Tehsil Dhaurahara, District, LAKHIMPUR KHERI for the production of 125 KLD Rectified Spirit, Extra Neutral Alcohol, Ethanol and Absolute Alcohol by using B-heavy Molasses/Sugar Syrup as raw material, or for the production of 100 KLD Rectified Spirit/Extra Neutral Alcohol/Absolute Alcohol by using C-Heavy molasses and also for a 4.0 MW Co-Generation plant.
3. This consent is valid for the current products and capacity. In Case of any change in process, capacity enhancement etc. No Objection Certificate shall be obtained from the Board.
4. The industry shall ensure to operate and maintain properly the MEE, CPU, digester and RO to ensure Zero Liquid Discharge; failing which, this consent order shall be treated as cancelled.
5. The industry shall comply with all other directions issued under the Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981 stipulated by Central Pollution Control Board, New Delhi to ensure achievement of Zero Liquid Discharge and maintained air quality positively.
6. The industry shall ensure compliance of conditions mentioned in the "No Increase in Pollution Load" certificate issued by the Board vide letter no. 127/UPHOC5/EIA/LAKHIMPUR KHIRI/2022 dated on 06.06.2022.
7. The industry shall ensure compliance of conditions mentioned in the CTE certificate issued by the Board vide letter no. 99524/UPPCB/Lucknow(UPPCBRO)/CTE/LAKHIMPUR KHIRI/2020 dated on 11.09.2020.

8. Due to change in raw material from C-Heavy molasses to B-Heavy molasses/Sugar Syrup expansion of Ethanol production capacity from 100 KLD to 125 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.

9. The Project Proponent shall submit the validation report for 125 KLD Ethanol production using B-Heavy molasses/Sugar Syrup from any reputed Institute such as NSI, Kanpur/VSI, Pune/any IIT within 03 months after starting B-Heavy molasses/Sugar Syrup based operation.

10. If the validation report carried out by any reputed institute is same as claim made by the unit then the consent shall be valid otherwise stand automatically be revoked.

11. The unit shall restrict the concentrated spent wash storage capacity to 07 days only (B-Heavy molasses/Sugar Syrup).

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

- a. Fresh water consumption.
- b. Ethanol Production.
- c. Spent wash generation.
- d. Slop generation.
- e. Condensate generation.
- f. Feed quantity of slop into incinerator.
- g. Yeast sludge generation.
- h. Boiler ash generation.
- i. Quantity of Spent lees generation, recycle/reuse and treatment in CPU.
- j. Quantity of effluent received into CPU, details of reuse/recycle etc.

13. Industry shall operate and maintain measuring devices (water / flow meters) at required location (raw water consumption, solid separation system: feed, permeate and reject, evaporation concentration systems: feed concentrate and condensate, water reused in the process & concentrate utilized in drying system/equivalent technology) to record the water balance shortly without delay.

14. Industry shall install web cameras at each strategic location such as MEE, spent wash storage lagoon and CPU etc. for monitoring purpose and provide its URL & ID to the Board within a month.

15. Industry shall operate and maintain the effluent treatment system effectively and regularly. All the effluent treatment system shall be kept in good running condition all the time and failure (if any), shall be immediately rectified without delay otherwise, similar alternate arrangement shall be made. In the event of any failure of any pollution control system adopted by the industry, the respective production unit shall not be restarted until the control measures are rectified to achieve the desired efficiency. Industry shall not discharge any treated / untreated effluent in to the river or any surface water bodies. No effluent shall be discharged outside of the factory premises in any circumstances; hence zero discharge condition shall be maintained at all the time.

16. Industry shall make proper arrangement for safe and scientific handling, storage, transportation and disposal of all solid wastes, sludge etc. generated.

17. Spent wash generation, storage shall be done as per the guidelines of CPCB.
18. Measuring system for spent wash storage shall be installed.
19. The industry shall submit ground water quality analysis report of the nearby areas on quarterly basis in coordination with UPPCB.
20. The industry shall ensure to obtain permission from U.P. State Ground Water Department for withdrawal of ground water within 03 months.
21. Industry shall operate and maintain the installed APCS (Bag filter attached with the boiler of capacity 35 TPH) effectively and submit stack monitoring reports conducted by any NABL accredited laboratory within 15 days in the Board and after then on quarterly basis.
- 22 Online Monitoring System shall be installed at the boiler and connected to CPCB and UPPCB server.
23. The industry shall operate and maintain the Air Pollution Control System efficiently and continuously so as to satisfy the prescribed emission standards.
24. The ash generated from the Slop Boiler shall not be disposed off near any surface water body/pond/river/lake, etc.
25. Proposal for ash utilization shall be submitted to the Board within 02 months and the ash collected from the APCS shall be utilized accordingly.
- 26 Ash generated from boilers shall be stored in a safe place and proper arrangement of water sprinkling shall be done to suppress the dust particles.
- 25 The unit shall submit the latest copy of Audited Balance Sheet/C.A. Certificate (Fixed Assets+ Current Assets - Current Liabilities) so that the Consent fee payable by the industry may be verified.
- 26 The Order issued by Hon'ble Courts/Hon'ble NGT, MoEF & CC, Central Pollution Control Board, U.P. Pollution Control Board, shall be complied with.
- 27 The industry shall ensure to comply with the provisions of the charter issued by CPCB on corporate responsibility for Environmental Protection.
- 28 The industry shall comply with the Plastic Waste Rules, 2016.
- 29 The industry shall submit on site disaster management plan.
- 30 The industry shall provide copy of records of Rectified Spirit, Extra Neutral Alcohol, Ethanol and Absolute Alcohol production, spent wash generation (namely weak spent, strong spent wash) details of MEE operations, mass flow meter reading connected with CPCB server etc. on monthly basis (by 10th of every month) to CPCB/UPPCB.

31 The storage facility provided for spent wash shall be properly lined and made impermeable and the storage capacity at any stage shall not exceed 07 days equivalent of production. The details of the spent wash storage shall be sent to the Board monthly.

32 The industry shall provided adequate arrangement for control of odour nuisance. All internal roads shall be made pucca. Industry shall maintain good housekeeping within factory premises, around effluent treatment facilities etc.

33 The industry will strictly comply with the provisions of Hazardous and other waste (Management & Transboundary Movement) Rules, 2016 will be complied. Generated hazardous waste will be disposed through authorized TSDF and record will be sent to this office in Form-10.

34 Analysis report from recognized laboratory for Solid concentration at inlet and outlet of MEE should be submitted to the Board within one month from the date of issue of this certificate.

35 If closure order is issued by CPCB or UPPCB against any defaulting unit, then CTO issued earlier will remain suspended during the closure period and after ensuring the compliance and after revocation of closure order, the CTO will automatically be effective from the date of issuance of closure order revocation, with additional conditions mentioned in the closure revocation order.

36 This certificate shall be valid from the date of issuance of this certificate.

**General Conditions:-**

1. The applicant shall get analysed the samples of effluent/emission/hazardous wastes at least once in a three month from the laboratory recognized by the MoEF and shall report to the UPPCB.
2. The applicant shall however, not without the prior consent of the Board bring into use any new or altered outlet for the discharge of effluent or gases emission or sewage waste from the unit.
3. Treated Industrial waste water and domestic waste water shall be disposed jointly at one disposal point. The applicant shall provide discharge measurement equipment at final disposal point.
4. The applicant shall strictly comply with conditions of this CCA and submit compliance report of stipulated conditions within 30 days of receipt of this CCA. If at any point of time, it is found that the industry is not complying with stipulated conditions or any further direction/instruction issued by the Board, legal action shall be initiated against the applicant.
5. The applicant shall maintain good house keeping. All valves/pipes/sewer/drains etc. must be leak-proof
6. The industry shall provide uninterrupted entry to the STP/ETP inlet and outlet points, Air Pollution Control equipment and stack for smooth sampling/monitoring of efficiency of pollution control systems.
7. The industry shall provide Inspection Book at the time of inspection to the Board's officials.
8. Whenever due to any accident or other unforeseen act or event, such emission occurs or is apprehended to occur in excess of standards laid down, such information shall be reported to the Board's offices and all other concerned offices. In case of failure of pollution control equipment, the production process connected to it shall be stopped with immediate effect.

9. The industry shall operate in a manner so that all emissions be emitted through designated chimney/stack only.
10. In case of any damage to the agriculture productivity, human habitation etc. by the operation of industry, it shall be imperative to stop production in the industry with immediate effect and such information shall be reported to Board's offices. The industry shall be liable to pay compensation also in such cases as decided by the Competent Authority.
11. The applicant shall apply before the 60 days of expiry of CCA or any change in production types/production capacity/manufacturing process/capacity enhancement etc. or any change in effluent discharge point or emission point
12. The Board reserves the right to revoke/add/modify any stipulated condition issued along with CCA, as may be necessary.

**Chief Environmental Officer, Circle-5, UPPCB.**

Copy to:

Regional Officer, UPPCB, Lucknow.

**Chief Environmental Officer, Circle-5, UPPCB.**