



Government of India
Ministry of Environment, Forest and Climate Change
(Impact Assessment Division)

To,

The Director
ALCOGRAIN DISTILLERS PRIVATE LIMITED
552, Sector 18 B, Chandigarh,,Chandigarh,Chandigarh-160018

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC) in respect of project submitted to the Ministry vide proposal number IA/WB/IND2/173288/2020 dated 06 Sep 2021. The particulars of the environmental clearance granted to the project are as below.

1. **EC Identification No.** EC21A022WB155228
2. **File No.** IA-J-11011/207/2020-IA-II(I)
3. **Project Type** New
4. **Category** A
5. **Project/Activity including Schedule No.** 5(g) Distilleries
6. **Name of Project** Proposed 660 KLPD Grain based Distillery, 10 KLPD Malt Spirit Plant and 22 MW Cogeneration Power Plant at Plot No. A22, Panagarh Industrial Park, Panagarh, Block Kanksa, District Paschim Bardhaman, West Bengal by Alcograin Distillers Private Limited
7. **Name of Company/Organization** ALCOGRAIN DISTILLERS PRIVATE LIMITED
8. **Location of Project** West Bengal
9. **TOR Date** 30 Sep 2020

The project details along with terms and conditions are appended herewith from page no 2 onwards.

Date: 05/10/2021

(e-signed)
A.K Pateshwary
Director
IA - (Industrial Projects - 2 sector)

Note: A valid environmental clearance shall be one that has EC identification number & E-Sign generated from PARIVESH. Please quote identification number in all future correspondence.

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This has reference to your online proposal No. IA/WB/IND2/173288/2020, dated 06th September, 2021 for environmental clearance to the above mentioned project.

2. The Ministry of Environment, Forest and Climate Change has examined the project proposed 660 KLPD Grain Based Distillery Plant, 10 KLPD Malt Spirit Plant and 22 MW Co-generation Power Plant at Plot No. A22, Panagarh Industrial Park, Panagarh, Block Kanksa, District Paschim Bardhaman, West Bengal by M/s. Alcograin Distillers Private Limited.

3. All Molasses based distilleries >100 KLPD & Non-Molasses based distilleries >200 KLD are listed at S.N. 5(g) of Schedule of Environment Impact Assessment (EIA) Notification dated 14.9.2006 and as amended on 13.6.2019 under category 'A' and are appraised at Central Level by Expert Appraisal Committee (EAC). It was informed that no litigation is pending against the proposal.

4. Standard ToR has been issued by Ministry of Environment, Forests & Climate Change vide letter IA-J-11011/207/2020-IA-II(I) dated 20th September, 2020. Public Hearing for the proposed project has been conducted by the West Bengal Pollution Control Board on 29th July, 2021 presided by Additional District Magistrate, Paschim Bardhaman district. The main issues raised during the public hearing are related to employment and environmental pollution mitigation measures.

5. The details of products and capacity are as under: -

Unit	Capacity	Product	By-product
Grain Based Distillery Plant	660 KLPD	Ethanol/Rectified Spirit (RS) /Extra Neutral Alcohol (ENA) /Industrial alcohol (IA)/ Denatured Spirit (DS)/ Specially Denatured Spirit (SDS)/ Undenatured Ethyl Alcohol of an alcoholic strength by volume of 80% or higher	Animal Feed Supplement (AFS) & CO2
Malt Spirit Plant	10 KLPD	Malt Spirit	
Co-generation Power Plant	22 MW	Power	-
IMFL/CL Bottling Plant	6.0 lakh Cases/month	IMFL/CL Bottled Liquor	-

6. The total area for the proposed distillery project is 9.27 ha (92700 m²). Industry will develop greenbelt in an area of 33% i.e. 3.06 Ha (30600 m²) out of total area of the project.

7. The estimated project cost is Rs. 265 Crores. Total capital cost earmarked towards environmental pollution control measures is Rs. 70.0 Crores and the Recurring cost (operation and maintenance) will be about Rs. 0.80 Crores / annum. Total Employment will be 200 persons (Permanent 150 & temporary 50) during operation phase. Industry proposes to allocate Rs. 2.0 Crores @0.75 % of total project cost towards Social developmental activities.

8. There are No National Parks, Wildlife Sanctuaries, Biosphere Reserves, Tiger/ Elephant Reserves, Wildlife Corridors, lies within 10 km radius of the project site. Bilaspur PF (~0.2 km in North direction), Baradoba PF (~4.2 km in ENE direction), Khandari PF (~5.0 km in ESE direction), Premganj PF (~6.5 km in ENE direction), Ramnagar PF (~8.0 km in East direction), Kuldhiha PF (~9.0 km in ENE direction), Radhaballabpur PF (~9.0 km in ESE direction), Babuisol PF (~9.8 km in ENE direction); River/ Canal i.e. Panagarh Branch Canal (~2.0 km in South direction), Left Bank Main Canal (~3.4 km in SW direction), Kukal Nadi (~4.5 km in SSE direction), Damodar Branch Canal (~5.5 km in NW direction), Kunur River (~5.7 km in NNE direction), Damodar River (~7.0 km in SSW direction) are found within 10 km radius.

9. Ambient air quality monitoring was carried out at 8 locations during October to December, 2020 and the baseline data indicates the ranges of concentrations as: PM10 (61.5 to 95.6 µg/m³), PM2.5 (28.3 to 52.4 µg/m³), SO₂ (5.7 to 17.6 µg/m³) and NO₂ (13.2 to 34.5 µg/m³). AAQ modeling study for point source emissions indicates that the maximum incremental GLCs after the proposed project would be 0.30 µg/m³, 0.12 µg/m³, 1.01 µg/m³ and 1.13 µg/m³ with respect to PM10, PM2.5, SO_x and NO_x. The resultant concentrations are within the National Ambient Air Quality Standards (NAAQS).

10. Total freshwater requirement will be 3000 KLPD which will be sourced from groundwater. Effluent process of 620 KLPD (Boiler blowdown, DM / RO Reject & CT blowdown) will be treated through WWTP of 1000 KLPD capacity and MEE condensate of 2332 KLD will be treated through CPU of 2800 KLPD Capacity. The plant will be based on Zero Liquid discharge system.

11. Total power requirement for Ethanol plant will be 12.0 MW, which will be sourced from the 22.0 MW Co-Generation Power Plant Construction power / standby power connection shall be taken from West Bengal State Power Corporation Limited. Unit will be having D.G. Sets of 4 x 1250 KVA which will be used as standby during power failure. Adequate Stack height (8 m) will be provided as per CPCB norms. Boiler of 160 TPH with ESP as Air Pollution Control Equipment and a stack height of 82 m will be installed for controlling the particulate emissions within the statutory limit of 50 mg/Nm³.

12. Details of Process emissions generation and its management:

CO₂ (460 TPD) generated during the fermentation process will be recovered by CO₂ Scrubbers and sold to authorized vendors.

13. Details of Solid waste/Hazardous waste generation and its management:

- Grain Slops (Spent Wash) and Malt Spirit Slops will be passed through centrifuge decanters for separation of suspended solids separated as Wet Cake DWGS (570 TPD) and dried to obtain Animal Feed Supplement AFS (290 TPD) to be used as cattle, poultry and fish feed ingredients.
- Ash (270 TPD) generated from the boiler will be Coal or various biomass based. Coal based ash will be supplied to brick/cement manufacturers and biomass-based ash will be used for soil amendment.
- Used oil & grease (2.0 KL/Annum) generated from plant machinery/gear boxes as hazardous waste will be sold out to the CPCB authorized recyclers.

14. During deliberations EAC suggested that Rs. 2.0 crores allocated for social developmental activities shall be spent on improving infrastructure facilities in nearby educational institutions. PP has agreed for the same and submitted an undertaking in compliance for the same.

15. The proposal was considered by the EAC in its 40th meeting held during 14th-16th September, 2021 in the Ministry, wherein the project proponent and their consultant M/s. J.M. EnviroNet Pvt. Ltd presented the EMP report as per the ToR. The Committee found the EMP report complying with the PFR and recommended the project for grant of environmental clearance.

16. The EAC, constituted under the provision of the EIA Notification, 2006 and comprising of Experts Members/domain experts in various fields, have examined the proposal submitted by the Project Proponent in desired form along with EIA/EMP report prepared and submitted by the Consultant accredited by the QCI/ NABET on behalf of the Project Proponent. The EAC noted that the Project Proponent has given undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the EIA/EMP report. If any part of data/information submitted is found to be false/ misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the project proponent.

17. The Committee has also deliberated on the CER plan and found to be addressing the issues in the study area. The EAC has deliberated the proposal and has made due diligence in the process as notified under the provisions of the EIA Notification, 2006, as amended from time to time and accordingly made the recommendations to the proposal. The Experts Members of the EAC have found the proposal in order and have recommended for grant of environmental clearance.

18. The environmental clearance granted to the project/activity is strictly under the provisions of the EIA Notification 2006 and its amendments. It does not tantamount/construe to approvals/consent/ permissions etc. required to be obtained or standards/conditions to be followed under any other Acts/ Rules/ Subordinate legislations, etc., as may be applicable to the project. The project proponent shall obtain necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, from the State Pollution Control Board, prior to construction & operation of the project.

19. Based on the proposal submitted by the project proponent and recommendations of the EAC (Industry-2), Ministry of Environment, Forest and

Climate Change hereby accords environmental clearance for to the project proposed project 660 KLPD Grain Based Distillery Plant, 10 KLPD Malt Spirit Plant and 22 MW Co-generation Power Plant at Plot No. A22, Panagarh Industrial Park, Panagarh, Block Kanksa, District Paschim Bardhaman, West Bengal by M/s. Alcograin Distillers Private Limited, under the provisions of the EIA Notification, 2006, and the amendments therein, subject to compliance of the terms and conditions as under:

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A. Specific Conditions:

(i) The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.

(ii) The project proponent will treat and reuse the treated water within the integrated industry and no waste or treated water shall be discharged outside the premises.

(iii) Total freshwater requirement will be 3000 KLPD which will be sourced from groundwater. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard, and renewed from time to time. No ground water recharge shall be permitted within the premises.

(iv) The spent wash shall be concentrated and dried to form DDGS to be used as cattle feed.

(v) CO₂ generated from the process shall be bottled/made solid ice and utilized/sold to authorized vendors.

(vi) Occupational Health Centre for surveillance of the worker's health shall be set up. The health data shall be used in deploying the duties of the workers. All workers & employees shall be provided with required safety kits/mask for personal protection.

(vii) Training shall be imparted to all employees on safety and health aspects of chemicals handling. Safety and visual reality training shall be provided to employees.

(viii) The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per the norms.

(ix) Process organic residue and spent carbon, if any, shall be sent to Cement other suitable industries for its incinerations. ETP sludge, process inorganic & evaporation salt shall be disposed of to the TSDF.

(x) The company shall undertake waste minimization measures as below (a) Metering and control of quantities of active ingredients to minimize waste; (b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. (c) Use of automated filling to minimize spillage. (d) Use of Close Feed system into batch reactors. (e) Venting equipment through vapour recovery

system. (f) Use of high pressure hoses for equipment clearing to reduce wastewater generation.

(xi) The green belt of at least 5-10 m width shall be developed in nearly 33% of the total project area, mainly along the plant periphery. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department. Records of tree canopy shall be monitored through remote sensing map.

(xii) As committed allocated fund of Rs 2.0 crores for social developmental activities shall be spent on improving infrastructure of educational institutions nearby.

(xiii) There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products as per CPCB norms and no parking to be allowed outside on public places.

(xiv) Storage of raw materials shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.

(xv) Continuous online (24x7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.

(xvi) A separate Environmental Management Cell (having qualified person with Environmental Science/Environmental Engineering/specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.

B. General Conditions:

(i) No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change/SEIAA, as applicable. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.

(ii) The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.

(iii) The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).

(iv) The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CER activities shall be undertaken by involving local villages and administration and shall be implemented. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.

(v) The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.

(vi) A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.

(vii) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.

(viii) The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.

(ix) The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry and at <https://parivesh.nic.in/>. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.

(x) The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.

(xi) This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.

20. The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the

said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.

21. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.

22. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

23. The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 read with subsequent amendments therein.

24. This issues with the approval of the competent authority.

(Ashok Kumar Pateshwary)
Director

Copy to: -

1. The Principal Secretary, Department of Environment & Forest, 5th Floor, Pranisampad Bhawan, Block LB-II, Salt Lake, Sector III, Bidhannagar, Kolkata - 700 106
2. The Regional Officer, Ministry of Env., Forest and Climate Change, Integrated Regional Office, Kolkata IB - 198, Sector-III, Salt Lake City, Kolkata - 700106
3. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi - 32
4. The Member Secretary, West Bengal Pollution Control Board, Paribesh Bhawan 10A, Block-LA, Sector-III Bidhannagar, Kolkata-700 106
5. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi
6. District Collector, Paschim Bardhaman, West Bengal
7. Guard File/Monitoring File/ Parivesh Portal /Record File

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