



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

To,

The Assistant Executive Director
NINAI DEVI SAKHAR KARKHANA A UNIT OF DALMIA BHARAT SUGAR
AND INDUSTRIES LIMITED
11th 12th Floors, Hansalaya Building, 15, Barakhamba Road, New
Delhi, New Delhi, Delhi-110001

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/UP/IND2/223850/2021 dated 09 Aug 2021. The particulars of the environmental
clearance granted to the project are as below.

- | | |
|---|---|
| 1. EC Identification No. | EC21A060UP110696 |
| 2. File No. | J- 11011/341/2006- IA II(I) |
| 3. Project Type | New |
| 4. Category | A |
| 5. Project/Activity including
Schedule No. | 5g(a)-Grain Based distilleries for Ethanol
Blended Petrol |
| 6. Name of Project | Proposed 200 KLPD Grain based
Distillery for Ethanol along with 10 MW Co
-generation power plant at Dalmia Bharat
Sugar and Industries Limited, Grain
Distillery Unit-Jawaharpur, Village
Jawaharpur, Tehsil Misrikh, District
Sitapur, Uttar Pradesh by M/s. Dalmia
Bharat Sugar and Industries Limited |
| 7. Name of Company/Organization | NINAI DEVI SAKHAR KARKHANA A
UNIT OF DALMIA BHARAT SUGAR AND
INDUSTRIES LIMITED |
| 8. Location of Project | Uttar Pradesh |
| 9. TOR Date | N/A |

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

Date: 21/09/2021

(e-signed)
Sh. 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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and Virtuous Environment Single-Window Hub)



This has reference to your online proposal No. IA/UP/IND2/223850/2021, dated 09th August, 2021 for environmental clearance to the above mentioned project.

2. The Ministry of Environment, Forest and Climate Change has examined the project proposed 200 KLPD Grain based Distillery for Ethanol along with 10 MW Co-generation power plant at Dalmia Bharat Sugar and Industries Limited, Grain Distillery Unit-Jawaharpur, Village Jawaharpur, Tehsil Misrikh, District Sitapur, Uttar Pradesh by M/s. Dalmia Bharat Sugar and industries Limited.

3. All grain based fuel ethanol plants are listed at S.N. 5(ga) of Schedule of Environmental Impact Assessment (EIA) Notification, 2006 amendment vide S.O 2339 dated 16th June 2021 under category 'B-2' and appraised at Central Level by Expert Appraisal Committee (EAC). It was informed that no litigation is pending against the proposal.

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

Units	Capacity	Product
Grain based Distillery	200 KLPD	Ethanol (Biofuel)
Co-Generation Power Plant	10 MW	Power

5. Total plant area is 7.5 ha (75000 m²) and it has already been owned and possessed by the company falling within the premises of existing industrial setup. Earlier the company was using 9 hectares land for bio-composting, which was no more required for bio-composting in view of the company had switched over to incineration technology for treatment of spent wash for its existing distillery. Industry will develop greenbelt in an area of 33% i.e. 2.48 ha (24800 m²) out of total area of the project.

6. The estimated project cost is Rs.120.0 Crores. Total capital cost earmarked towards environmental pollution control measures is Rs. 20.0 Crores and the Recurring cost (operation and maintenance) will be about Rs. 2.0 Crore per annum. Total Employment will be 100 persons (Permanent 50& temporary 50) during operation phase. Industry proposes to allocate Rs. 76.181Lakhs @0.635 % of total project cost towards Social developmental activities.

7. There are no national parks, wildlife sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors etc. lies within 10 km distance. There are 2 Reserved Forests (RF) and 7 Protected Forests (PF) within 10 km radius. Rivers, i.e. SaunriNadi (~7.5 km in South direction), Beta Nadi (~8.0 km in South direction) and Sarayan River (~8.5 km in ENE direction) are flowing within 10 km radius. Distributary/Nala/Branch i.e.Kaimahra Distributary (~1.0 km in SE direction), Arthana Distributary (~2.0 km in West direction), Ramkot Distributary (~4.5 km in NNE direction), Sitapur Branch (~5.5 km in WSW direction), Machhrehtha Distributary (~6.5 km in ESE direction), Behat Distributary (~7.0 km in SE direction), Islamnagar Distributary (~7.0 km in WNW direction) &Pirai Nala (~9.0 km in NE direction) are present within 10 km radius of the plant site.

8. Total water requirement for the Grain based Ethanol Plant will be 2778 KLPD out of which 1832 KLPD will be recycled in plant operations. Hence, the fresh water requirement for the project will be 946 KLPD which will be met from adjacent Sugar Mill due to interlinked project. Effluent of 1067 KLPD quantity will be treated through state of art CPU/Effluent Treatment Plant of 1300 KLPD capacity (Anaerobic, aerobic, Filters, & RO system). The plant will be based on Zero Liquid discharge system.

9. The total power requirement for the proposed Ethanol Plant will be 5.2 MW, which will be met from 10.0 MW Co-Generation Power Plant & D.G. Sets (for emergency). 2 nos. of D. G. Sets of capacity 1500 KVA each which will be used as standby during power failure. Stack height (10 m) will be provided as per CPCB norms to the DG sets. A 60 TPH Rice Husk/ Bagasse/Biomass fired boiler will be installed. ESP/Bag filter with a stack height of 50 m will be installed for controlling the particulate emissions within the statutory limit of 50 mg/Nm³.

10. Details of Process emissions generation and its management:

- ESP/Bag filter with a stack height of 50 m will be installed for controlling the particulate emissions. Online Continuous Emission Monitoring System will be installed with the stack and data will be transmitted to CPCB/SPCB servers.
- CO₂ generated (150 TPD) during the fermentation process will be collected by utilizing CO₂ scrubbers and sold to authorized vendors.

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

- Solid waste from the Grain based operations generally comprises of fibers and proteins in the form of DDGS (91 TPD), which will be ideally used as Cattle, poultry and fish feed ingredients. Yeast sludge will be sent to the sludge drying beds or may be added to the wet cake.
- Ash (60 TPD) from the boiler will be given to brick or cement manufacturing unit.
- Used oil & grease (0.5 KL/Annum) generated from plant machinery/gear boxes as hazardous waste will be sold out to the CPCB authorized recyclers.

12. As per OM dated 16th June, 2021, PP has submitted self-certification in the form of affidavit declaring that the proposed capacity of 200 KLPD will be for manufacturing of fuel ethanol only.

13. The proposal was considered by the EAC in its 39th meeting held during 17th-18th August, 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 PFR. The Committee found the EMP report complying with the PFR and recommended the project for grant of environmental clearance.

14. 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.

15. 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.

16. 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.

17. 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 project proposed 200 KLPD Grain based Distillery for Ethanol along with 10 MW Co-generation power plant at Dalmia Bharat Sugar and Industries Limited, Grain Distillery Unit-Jawaharpur, Village Jawaharpur, Tehsil Misrikh, District Sitapur, Uttar Pradesh by M/s. Dalmia Bharat Sugar and industries Limited, under the provisions of the EIA Notification, 2006, and the amendments therein, subject to compliance of the terms and conditions as under: -

A. Specific Conditions:

(i) As per OM dated 16th June, 2021, project falls in category B2 and the proposed additional capacity of 200 KLPD shall be only for fuel ethanol manufacturing as per self-certification in form of an affidavit by the Project Proponent. Provided that subsequently if it is found that the ethanol, produced based on the EC granted as per this dispensation, is not being used completely for EBP Programme, or if ethanol is not being produced, or if the said distillery is not fulfilling the requirements based on which the project has been appraised as category B2 project, the EC shall stand cancelled.

(ii) 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.

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

(iv) Total fresh water requirement shall be 946 KLPD which will be met from adjacent Sugar Mill. Prior permission shall be obtained from the concerned regulatory authority/Irrigation division in this regard, and renewed from time to time. No ground water recharge shall be permitted within the premises. Rainwater shall be collected

in storage ponds and utilized for plant activities. Ground water monitoring shall be done regularly and report is to be submitted to concerned authorities regularly.

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

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

(vii) 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.

(viii) 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.

(ix) 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.

(x) 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.

(xi) 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.

(xii) 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.

(xiii) As per the Ministry's OM dated 30.09.2020 superseding the OM dated 01.05.2018 regarding the Corporate Environmental Responsibility, and as per the action plan proposed by the project proponent to address the socio-economic and environmental issues in the study area, the project proponent, as committed, shall provide education funds in technical training centers/ support in nearby village's schools, support in health care facilities, drinking water supply and funds for miscellaneous activities like solar street lights, battery, solar panel etc., in the nearby villages. The action plan shall be completed within time as proposed.

(xiv) 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.

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

(xvi) 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.

(xvii) 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.

18. 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.

19. 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.

20. 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.

21. 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.

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

(Ashok Kumar Pateshwary)
Director

Copy to: -

1. The Secretary, Department of Environment, Government of Uttar Pradesh, 601, Bapu Bhawan, Secretariat, Vidhan Sabha Marg, Lucknow (UP) – 1
2. The Regional Officer, Ministry of Env., Forest and Climate Change, Integrated Regional Office, Kendriya Bhawan, 5th Floor, Sector "H", Aliganj, Lucknow - 226020
3. The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi -32
4. The Member Secretary, Uttar Pradesh Pollution Control Board, Building No. TC-12V, Vibhuti Khand, Gomti Nagar, Lucknow – 10
5. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi
6. The District Collector, Sitapur District, Uttar Pradesh
7. Guard File/Monitoring File/Parivesh portal/Record File

(Ashok Kumar Pateshwary)
Director
E-mail: ak.pateshwary@gov.in
Tel. No. 24695290