



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

To,

The General Manager Unit Head  
NSL SUGARS LIMITED, UNIT-III, JAY MAHESH  
Pawarwadi village, Majalgaon Tq, Beed District,  
Maharashtra., BEED, Maharashtra-431131

**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/MH/IND2/255527/2022 dated 14 Feb 2022. The particulars of the environmental clearance granted to the project are as below.

- |   |  |
|---|--|
| 1. <b>EC Identification No.</b>                   | <b>EC22A022MH171123</b>  |
| 2. <b>File No.</b>                                | J-11011/26/2015-IA-II(I)   |
| 3. <b>Project Type</b>                            | Expansion7   |
| 4. <b>Category</b>                                | A  |
| 5. <b>Project/Activity including Schedule No.</b> | 5(g) Distilleries  |
| 6. <b>Name of Project</b>                         | Expansion of Distillery Project from 150 KLPD to 500 KLPD (Ethanol) based on Syrup/ B heavy Molasses and Grain" at Pawarwadi Tal, Majalgaon Dist Beed, Maharashtra by M/s NSL sugars Ltd, Unit III, Jay Mahesh |
| 7. <b>Name of Company/Organization</b>            | NSL SUGARS LIMITED, UNIT-III, JAY MAHESH   |
| 8. <b>Location of Project</b>                     | Maharashtra  |
| 9. <b>TOR Date</b>                                | N/A  |

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

Date: 31/03/2022

(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/MH/IND2/255527/2022, dated 14<sup>th</sup> February, 2022 for environmental clearance to the above mentioned project.

**2.** The Ministry of Environment, Forest and Climate Change has examined the Expansion of Distillery Project from 150 KLPD to 500 KLPD (Ethanol) based on Syrup/ B heavy Molasses and Grain by M/s. NSL sugars Ltd, Unit III, Jay Mahesh located at Pawarwadi Tal, Majalgaon Dist Beed, Maharashtra.

**3.** All Sugar and Distillery projects are listed at S. No. 5(j) & 5(g)/ 5(ga) of Schedule of Environment Impact Assessment (EIA) and as per the EIA Notification 2006 and amendment vide Notification S.O 2339(E) dated 16.06.2021 the proposal is to be appraised as B2 category.

**4.** Standard ToR and public Hearing is not applicable as the project falls under category B2 as per Notification S.O 2339(E), dated 16<sup>th</sup> June, 2021. It was informed that no litigation is pending against the project.

**5.** Ministry had issued EC for sugar plant (7000 TCD to 12000 TCD) & Molasses based distillery (100 KLPD) along with 3MW cogeneration power (in addition to the existing 30 MW cogeneration Plant) at Pawarwadi. Tal- Malegaon, District: Beed, Maharashtra by M/s. NSL Sugars Limited, Unit III dated 7<sup>th</sup> June 2017.

**6.** Certified Compliance Report (CCR) was submitted by IRO, MoEFCC, Nagpur vide letter no. EC-443/RON/2017-NGP/8873 dated 17<sup>th</sup> November 2021. Action Taken Report (ATR) was submitted by IRO, MoEFCC Nagpur vide letter no. EC-443/RON/2017-NGP/9059 dated 21<sup>st</sup> December, 2021. Action Taken Report is found satisfactory by the EAC and recommended the proposal.

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

Sl. No.	Unit	Existing	Expansion	Total
1	Distillery (Molasses/ B-Heavy / Syrup) For 200 days in season	150 KLPD	350 KLPD	500 KLPD
	Grain for 130 days in offseason	-	500 KLPD	500 KLPD
2	Cogeneration	33 MW	16 MW	49 MW

**8.** Existing land area is 690000 m<sup>2</sup>. No additional and will be used for proposed expansion. Industry has already developed greenbelt in an area of 33 % i.e., 227000 m<sup>2</sup> out of total area of the project. The estimated project cost is Rs. 467.54 Cr including existing investment of Rs. 72.54 Cr. Total capital cost

earmarked towards environmental pollution control measures is Rs. 54.30 Cr and the Recurring cost (operation and maintenance) will be about Rs. 0.69 Cr per annum. Total Employment will be 310 persons as direct & 1500-2000 persons indirect after expansion. Industry proposes to allocate Rs. 2.96 Cr @ of 0.75 % towards Corporate Environment Responsibility.

**9.** There are no national parks, wildlife sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors etc. within 10 km distance from the project site. Krishan River is flowing at a distance of 1.5 Km in south direction.

**10.** Total water requirement is 3097 m<sup>3</sup>/day of which fresh water requirement of 1164 m<sup>3</sup>/day will be met from Ground water. Effluent of quantity 1385 m<sup>3</sup>/day spent wash will be treated by Evaporation in MEE and CSW sent to Spray Dryer. Condensate from MEE and other effluent will be treated in CPU. The plant will be based on Zero Liquid Discharge system.

**11.** Power requirement after expansion will be 17.5 MW including existing 3.0 MW and will be met from existing 3 MW Co-generation unit and proposed 16 MW cogeneration. Existing unit has 135 TPH Boiler & 20x2 TPH Boilers. Proposed 110 TPH Boiler will be installed for distillery. Electrostatic precipitator (ESP) with a stack of height of 65 m is provided to 135 TPH Boiler for controlling the particulate emissions within the statutory limit of 115 mg/Nm<sup>3</sup> for the proposed boilers and for proposed 110 TPJH Boiler 80 m stack and ESP will be provided.

## **12. Details of process emissions generation and its management:**

Gaseous emissions from process are mainly PM<sub>10</sub>, PM<sub>2.5</sub>, Sox, NO<sub>x</sub>, from Boiler & DG set & CO<sub>2</sub> from fermentation process.

### **Air pollution control measures:**

<b>Sl. No.</b>	<b>Source of air pollution</b>	<b>Fuel</b>	<b>Emissions</b>	<b>Chimney height (M)</b>	<b>APC equipment provided</b>
1	Existing 135 TPH Cogeneration boiler	Bagasse + Biogas	PM, So <sub>2</sub> & No <sub>x</sub>	65 m	ESP
2	Existing 20 x 2 TPH Boiler	Bagasse	PM, So <sub>2</sub> & No <sub>x</sub>	65 m	ESP
3	Proposed 110 TPH Boiler	Bagasse + Biogas	PM, So <sub>2</sub> & No <sub>x</sub>	80m	ESP
4	Fermentation process	-	CO <sub>2</sub>		304 TPD Co <sub>2</sub> Bottling plant

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

SI. No.	Details of the solid waste	Existing Quantity in TPD	Expansion Quantity in TPD	Total Quantity in TPD	Treatment	Mode of Disposal
1	CPU sludge	2.0	3.0	5.0	Mixed in bio composting	Used as manure
2	Yeast Sludge	2	3	5	Mixed in bio composting	Used as manure
3	Boiler ash	7.68	20.16	27.84	Mixed in bio composting	Sold to brick Manufacturer and Mixed in bio composting

**14.** As per Notification S.O 2339(E), dated 16<sup>th</sup> June, 2021, PP has submitted self-certification in the form of notarized affidavit declaring that the proposed capacity of 350 KLPD will be used for manufacturing fuel ethanol only.

**15.** During deliberations EAC sought the following information /commitments from PP:

- Entire sugar and distillery project shall be ZLD and no single drop of water shall be discharged outside of plant premises. Total ZLD shall be achieved for integrated facility.
- Bio-composting shall not be allowed.
- PP shall utilize fresh water 3.0 KL/KL ethanol.
- Company to construct a storage pond of 90 days capacity and the accumulated water to be used as fresh water thereby reducing fresh water consumption.
- 33% of the total project area shall be developed with greenbelt within the plant premises including 5-10 m width greenbelt peripherally.
- 15% of the total plant area will be reserved for parking.
- PP shall meet 10% (500 KW) of the total power requirement from solar power.
- PP shall allocate at least Rs. 50 Lakhs/annum for Occupational Health Safety.
- PP shall install CO<sub>2</sub> bottling plant within premises.
- The proposed budget allocation of Rs. 4.0 Crores towards CER and shall be used for construction/up-gradation for adopting four public schools building with provision of facilities e.g. Class rooms, Playground, Laboratory, Library, Computer class, Toilets, Drinking Water Facilities, Solar light etc.

Further, the works under CER Plan shall be implemented in consultation with District Collector before the commissioning of project.

PP has submitted the desired information as sought above.

**16.** The proposal was considered by the EAC in its 51<sup>st</sup> meeting held on 23<sup>rd</sup> - 25<sup>th</sup> February, 2022 in the Ministry, wherein the project proponent and their consultant M/s. Techno Green Environmental Solutions, presented the case under B2 category. The Committee **recommended** the project for grant of environmental clearance.

**17.** 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 the 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 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.

**18.** The Committee noted that the EMP report is in compliance of the PFR. The Committee 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.

**19.** 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.

**20.** 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 to the project for **Expansion of Distillery Project from 150 KLPD to 500 KLPD (Ethanol) based on Syrup/ B heavy Molasses and Grain by M/s. NSL sugars Ltd, Unit III, Jay Mahesh located at Pawarwadi Tal, Majalgaon Dist Beed, Maharashtra**, under the provisions of the EIA Notification, 2006, and the amendments therein, subject to compliance of the terms and conditions as

under:-

**A. Specific Condition:**

- (i). As per Notification S.O 2339(E), dated 16<sup>th</sup> June, 2021, project falls in category B2 and the proposed capacity of 350 KLPD shall be only be used for fuel ethanol manufacturing as per self-certification in form of a notarized 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. Entire sugar and distillery project shall be ZLD and no single drop of water shall be discharged outside of plant premises. Total ZLD shall be achieved for integrated facility.
- (iv). EC granted for a project on the basis of the submitted documents shall become invalid in case the actual land for the project site turns out to be different from the land considered at the time of appraisal of project.
- (v). Total Fresh water requirement shall not exceed @3.0 KL/KLand will be met from Ground water. 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. Company to construct a storage pond of 90 days capacity and the accumulated water to be used as fresh water thereby reducing fresh water consumption.
- (vi). The spent wash will be treated through MEE followed by Spray Dryer and Condensate from MEE will be treated in CPU & powder from spray dryer will be sold to farmers and fertilizer companies. PP shall meet 10% (500 KW) of the total power requirement from solar power.
- (vii). CO<sub>2</sub> bottling plant shall be installed within plant premises.
- (viii). PP shall allocate at least Rs. 50 Lakhs/annum for Occupational Health Safety. 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.

- (ix). 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.
- (x). 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. PESO certificate shall be obtained.
- (xi). Process organic residue and spent carbon, if any, shall be sent to Cement and other suitable industries for its incinerations. ETP sludge, process inorganic & evaporation salt shall be disposed of to the TSDF.
- (xii). 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.
- (xiii). 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.
- (xiv). The proposed budget allocation of Rs. 4.0 Crores towards CER and shall be used for construction/up-gradation for adopting four public schools building with provision of facilities e.g. Class rooms, Playground, Laboratory, Library, Computer class, Toilets, Drinking Water Facilities, Solar light etc. Further, the works under CER Plan shall be implemented in consultation with District Collector before the commissioning of project.
- (xv). There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products and no parking to be allowed outside on public places. Out of the total project area, 15% shall be allotted solely for parking purposes.
- (xvi). Storage of raw materials shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.
- (xvii). 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.

- (xviii). 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 Condition:**

- (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 31<sup>st</sup> 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.

**21.** 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.

**22.** 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.

**23.** 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.

**24.** 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.

**25.** This issues with the approval of the competent authority.

**(Ashok Kr. Pateshwary)**  
**Director**

**Copy to: -**

1. The Secretary, Department of Environment, Government of Maharashtra, Mumbai 400 032
2. The Regional Officer, Ministry of Env., Forest and Climate Change, Integrated Regional Office, Ground Floor, East Wing, New Secretariat Building, Civil Lines, Nagpur- 440001 Maharashtra
3. The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi -32
4. The Member Secretary, Maharashtra Pollution Control Board, Kalpataru Point, 3rd and 4th floor, Opp. Cine Planet, Sion Circle, Mumbai – 22
5. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi
6. The District Collector, District Beed, Maharashtra
7. Guard File/Monitoring File/Parivesh portal/Record File

**(Ashok Kr. Pateshwary)**  
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