



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

To,

The VICE PRESIDENT
NSL KRISHNAVENI SUGARS LIMITED
NSL Icon, 4th Floor, 8-2-684/2A, Road No.12, Banjara Hills hyderabad-
500034,,Hyderabad,Telangana-500034

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/TG/IND2/237976/2007 dated 20 Nov 2021. The particulars of the environmental clearance granted to the project are as below.

- | | |
|--|---|
| 1. EC Identification No. | EC22A060TG190730 |
| 2. File No. | J.11011/193/2007-IA II (I) |
| 3. Project Type | Expansion |
| 4. Category | A |
| 5. Project/Activity including Schedule No. | 5g(a)-Grain Based distilleries for Ethanol Blended Petrol |
| 6. Name of Project | NSL KRISHNAVENI SUGARS LIMITED |
| 7. Name of Company/Organization | NSL KRISHNAVENI SUGARS LIMITED |
| 8. Location of Project | Telangana |
| 9. TOR Date | 17 Sep 2007 |

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

Date: 03/03/2022

(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/TG/IND2/237976/2007, dated 20th November, 2021 for environmental clearance to the above mentioned project.

2. The Ministry of Environment, Forest and Climate Change has examined the proposal for proposed expansion capacity of Distillery plant from 120 KLPD to 400 KLPD by establishment of new 280 KLPD grain based Ethanol plant with 6 MW co-generation power plant to be installed in the existing plant premise of at Ramakrishnapur Village, Kothakota Mandal, Wanaparthy District, Telangana by M/s NSL Krishnaveni Sugars Limited.

3. All grain-based distilleries producing ethanol, solely to be used for Ethanol Blended Petrol Programme of the Government of India 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 are appraised at Central Level by Expert Appraisal Committee (EAC).

4. The project proposal is exempted from obtaining ToR & conducting Public Hearing as per EIA notification, 2006 amendment vide S.O 2339 dated 16th June 2021. It was informed that no litigation is pending against the project.

5. Ministry had issued EC earlier vide letter No. F.No.J.11011/193/2007-IA II (I) dated 17/09/2007 to the existing project for 7500 TCD sugar, 40 MW cogen power plant and 120 KLPD distillery plant in favour of M/s. NSL Krishnaveni Sugars Limited. Certified compliance report on existing Environmental clearance was issued by IRO, Hyderabad vide letter No. ENV/IRO-HYD/CCR-17/A/2021/62 DATE 09/09/2021.

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

S. NO.	UNIT	PRODUCT/ BY PRODUCT	EXISTING CAPACITY	EXPANSION CAPACITY	AFTER EXPANSION CAPACITY
1.	Distillery (Molasses/ Grains based)	Rectified Spirit / ENA / Ethanol /	120 KLPD	--	120 KLPD
2.	Distillery (Grains based)	Fuel ethanol	--	280 KLPD	280 KLPD
3.	Power	Electricity	3 MW	6.0 MW	9.0 MW
4.	Sugar	Sugar	600 TPD	--	600 TPD
5.	Co-	Electricity	28 MW	--	28 MW

	generation power plant				
By product					
1.	Distillery	CO ₂	53.2 TPD	140.0 TPD	193.2 TPD
2.	Distillery	DDGS (Distillery Dried Grains Soluble)	71.2 TPD	140.0 TPD	211.2 TPD

7. The total land available with existing plant is 121.46 Ha (300.13 acres). Entire land is in possession of the management. Number of operational days of plant will be 350 per annum. Total greenbelt after expansion 99 acres (33%) of the total area.

8. The estimated project cost for expansion project is Rs 330 Crores. Total capital cost earmarked towards environmental pollution control measures is Rs. 50.0 Crores and the Recurring cost (operation and maintenance) will be about Rs 2.0 Crores per annum. Total Employment generation from the expansion project will be 150 persons as direct & indirect. Industry proposes to allocate Rs. 2.55 Crores @ 0.77 % towards Corporate Environment Responsibility.

9. There are no national parks, wildlife sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors etc. within 10 km distance. Krishna River Mahanandi is flowing at a distance of 7.9 Km. in SW direction & Okachetti vagu is flowing at distance of 2.9 Kms in W direction.

10. Total water requirement is 3845.5 m³ /day of which freshwater requirement of 2189.5 m³ /day. The water drawl permission has been obtained from irrigation department Govt of Telangana for 0.084 TMC which is valid up to 19-01-2025. Existing permission is sufficient & no separate permission will be required. Effluent of 2090 m³ /day quantity will be treated through MEE and Condensate Polishing Unit. The plant will be based on Zero Liquid discharge system.

11. The Power requirement after expansion will be 14,300 KVA including existing 9200 KVA and will be met from existing and Telangana State Southern Power Distribution Company Limited (TSSPDCL) Govt.of Telagnana. Existing unit has 2 Nos of DG sets of 500 KVA & 160 KVA of Capaccity, additionally 1000 KVA DG sets are used as standby during power failure. Existing unit has 110 & 25 TPH Bagasse, Coal and spent solids Fired Boilers. Additionally 50 TPH Biomass/Coal fired Boiler will be installed. ESP with a stack of height of 78 m. will be installed for controlling the particulate emissions within the statutory limit of 50 mg/NM³ for the proposed boiler.