



सत्यमेव जयते

File No.: IA-J-11011/261/2023-IA-II(I)
Government of India
Ministry of Environment, Forest and Climate Change
IA Division



Dated 02/01/2024



To,

ANUPAM SINGHANIA
ANUPAM SINGHANIA
#7, Southtukoganj, Shalimarcorpo, Rative center, U. No. 309, Indore Madhya Pradesh-452001,
INDORE, MADHYA PRADESH, 452001
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Subject: Establishment of 500 KLPD Grain Based Ethanol Distillery to produce Ethanol for EBP Programme located at Plot No. 3, 4 & 5 (Block-B) of APIIC Industrial Park Naidupeta, Village Menakuru, Tehsil Naidupeta, District Tirupati, State Andhra Pradesh by M/s. Grace Ventures Private Limited – Consideration of amendment of Environmental Clearance-reg.

Sir/Madam,

This is in reference to your application submitted to MoEF&CC vide proposal number IA/AP/IND2/446635/2023 dated 02/10/2023 for grant of an amendment in prior Environmental Clearance (EC) to the project under the provision of the EIA Notification 2006-and as amended thereof.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC23C2505AP5984094A
(ii) File No.	IA-J-11011/261/2023-IA-II(I)
(iii) Clearance Type	Amendment in EC
(iv) Category	B2
(v) Schedule No./ Project Activity	5(g) Distilleries
(vi) Sector	Industrial Projects - 2
(vii) Name of Project	Amendment in Environmental Clearance of 500 KLPD Grain based Ethanol Plant for Ethanol Blended Petrol (EBP) Programme by M/s. Grace Ventures Private Limited
(viii) Location of Project (District, State)	TIRUPATI, ANDHRA PRADESH
(ix) Issuing Authority	MoEF&CC
(x) EC Date	04/12/2023
(xi) Applicability of General Conditions	NO
(xiii) Status of implementation of the project	

3.The Ministry of Environment, Forest and Climate Change has considered the above proposal for amendment in Environmental Clearance granted by the Ministry vide letter no. IA-J-11011/261/2023-IA-II(I) Dated: 27.07.2023 for the project Establishment of 500 KLPD Grain Based Ethanol Distillery to produce Ethanol for EBP Programme located at Plot No. 3, 4 & 5 (Block-B) of APIIC Industrial Park Naidupeta, Village Menakuru, Tehsil Naidupeta, District Tirupati, State Andhra Pradesh by M/s. Grace Ventures Private Limited.

4.The project proponent has requested for amendment in the EC. After detailed deliberations, EAC recommended the proposal for amendment in EC dated 27.07.2023 with the details is placed at **Annexure-II**.

5.During deliberations, EAC discussed the following issues:

- PP has informed that it is land intensive and economically unviable for the Industry to generate 2 MW of solar energy for meeting the power requirement. After deliberations and hearing PP's request, it was clarified that the solar power plant capacity of 2.0MW referred is the installed capacity which the industry is required to install and not the effective capacity which is equivalent to more than 10MW of the installed capacity considering plant load factor of around 20%. PP further informed that about 2.0 Ha. of land is required for installation of 2.0MW solar power plant, which they are not in position to adjust within the existing land. Considering that the industry is meeting its power requirement of 12.30 MW from its own 12.50 MW co-gen plant using bagass as fuel, EAC considering the request of industry suggested for installation of 1.25 MW solar plant (about 10% of power requirement) inside the plant.
- EAC desired detailed breakup for increase in fresh water requirement compared to earlier proposed. PP has presented the details and informed that fermentation and turbine cooling towers, all other towers exhibit temperature differentials (Δt) exceeding 8 degrees, reflecting the heightened demands and intricacies of their respective processes. This includes the cooling of fermented wash, which necessitates additional water input due to the elevated temperatures involved fermentation and turbine cooling towers, all other towers exhibit temperature differentials (Δt) exceeding 8 degrees, reflecting the heightened demands and intricacies of their respective processes. This includes the cooling of fermented wash, which necessitates additional water input due to the elevated temperatures involved. Further, there is also water consumption added towards water sealing requirement in the entire grain distillery and with the increased no of pumps now in process scheme resulting in increase in net fresh water requirement.

The committee was satisfied with the response provided by PP on above information. Further, Committee desired to submit the above information in writing. Accordingly, PP has submitted the desired information and EAC found the information/commitments satisfactory.

6.After detailed deliberations EAC found the justification for amendment sought satisfactory and **recommended** the proposal for amendment in Environmental Clearance (EC).

7.Based on recommendations of the EAC,the Ministry of Environment, Forestand Climate Change herebyaccords approval to the proposedamendment for Environmental Clearance (EC) dated 27.07.2023 as stated above, for the project **establishment of 500 KLPD Grain Based Ethanol Distillery to produce Ethanol for EBP Programme located at Plot No. 3, 4 & 5 (Block-B) of APIIC Industrial Park Naidupeta, Village Menakuru, Tehsil Naidupeta, District Tirupati, State Andhra Pradesh by M/s. Grace Ventures Private Limited.**

8. However, all other terms and conditions mentioned in existing EC ID No. EC23C2505AP5727499N, File No. IA-J-11011/261/2023-IA-II(I) dated: 27.07.2023 shall remain unchanged.

9.This issues with approval of the competent authority.

Copy To

1. The Principal Secretary, Department of Environment, Forest, Science & Technology, Government of Andhra

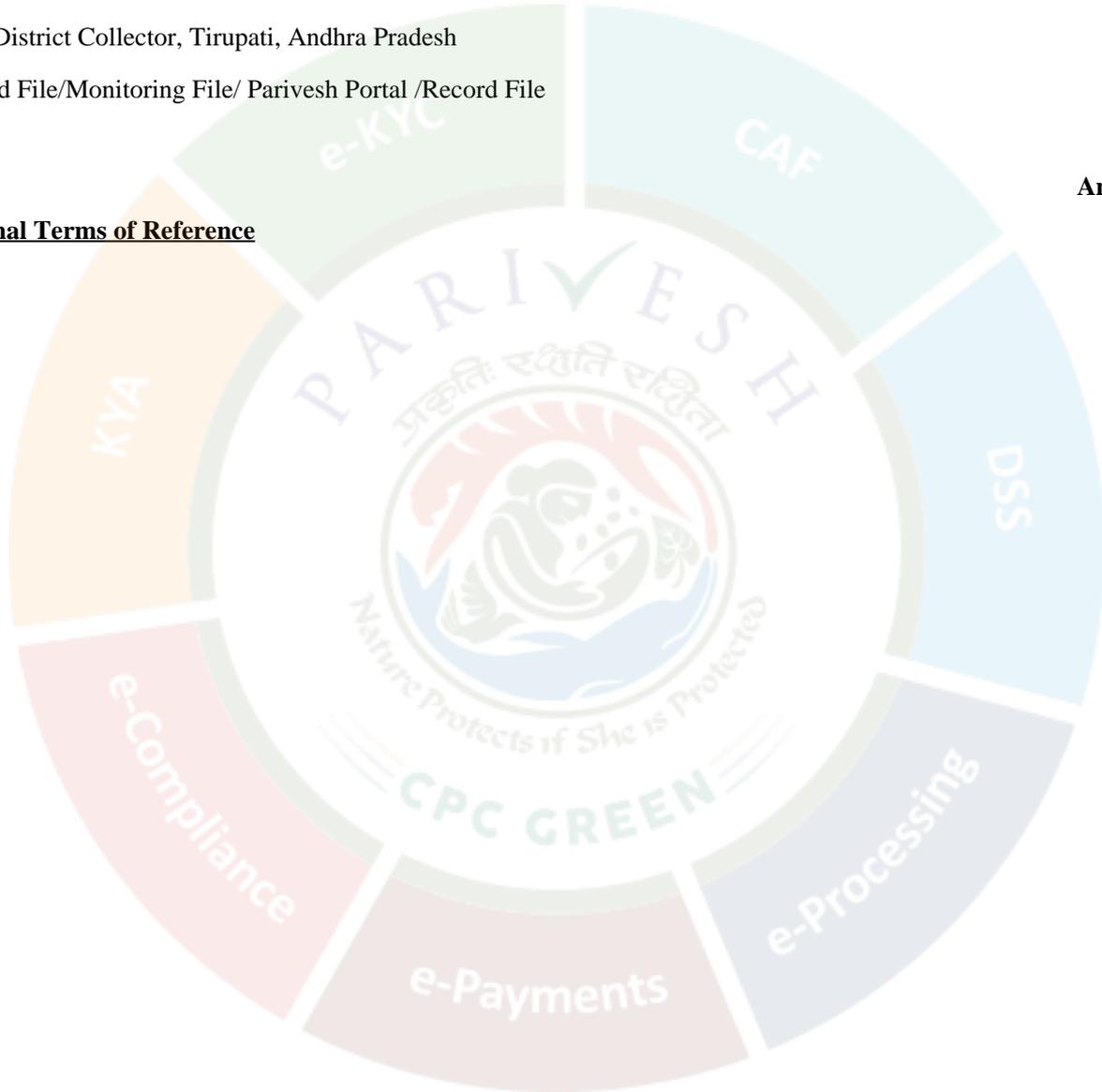
Pradesh, Hyderabad (Andhra Pradesh)

2. The Regional Officer, Integrated Regional Office (IRO), Vijayawada, Ministry of Environment, Forest and Climate Change, Green House Complex, Gopalreddy Road, Vijayawada – 520010, Andhra Pradesh.
3. The Member Secretary, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi - 32
4. The Member Secretary, Andhra Pradesh Pollution Control Board, Paryavaran Bhawan, A-III, Industrial Estate, Sanath Nagar, Hyderabad (AP)
5. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi
6. The District Collector, Tirupati, Andhra Pradesh
7. Guard File/Monitoring File/ Parivesh Portal /Record File

Annexure 1

Additional Terms of Reference

N/A



	Details as per EC granted	Amendment
Specific Conditions - Sr. No. 1.1, Condition No. 5	Total fresh water requirement shall not exceed 1980 m ³ /day, which will be sourced from APIIC. No ground water recharge shall be permitted within the premises. Industry shall construct a rain water storage pond of 60 days capacity and the accumulated water to be used as fresh water thereby reducing fresh water consumption	Total fresh water requirement shall not exceed 2379 m ³ /day, which will be sourced from APIIC. No ground water recharge shall be permitted within the premises. Industry shall construct a rain water storage pond of 60 days capacity and the accumulated water to be used as fresh water thereby reducing fresh water consumption.
Specific Conditions - Sr. No. 1.1, Condition No. 7	ESP (5 field) with stack of 70 m high will be installed with the 90 TPH rice husk along with 15 % coal as auxiliary fuel fired boiler for controlling the particulate matter emissions within the statutory limit of 30 mg/Nm ³ . Concentration of SO ₂ and NO _x in flue gas shall be less than 100mg/Nm ³ . At no time, the emission levels shall exceed the prescribed standards. In the event of failure of any pollution control system adopted by the unit, the respective unit shall not be restarted	ESP (5 field) with stack of 60 m high will be installed with the 60 TPH rice husk fuel fired boiler for controlling the particulate matter emissions within the statutory limit of 30 mg/Nm ³ . Concentration of SO ₂ and NO _x in flue gas shall be less than 100 mg/Nm ³ . Coal shall not be used as fuel. At no time, the emission levels shall exceed the prescribed standards. In the event of failure of any pollution control system adopted by the unit, the respective unit shall not be restarted
Specific Conditions - Sr. No.	Boiler Ash (150 TPD) generated used for brick manufacturing in proposed	Boiler Ash (100 TPD) generated used for brick manufacturing in proposed

	Details as per EC granted	Amendment
1.1, Condition No. 8	brick manufacturing plant inside plant. PP shall use Rice Husk rice husk/coal main fuel for the proposed boiler. PP shall meet 15% of the total power requirement from solar power by generating power inside plant premises	brick manufacturing plant inside plant. PP shall use Rice Husk as fuel for the proposed boiler. PP shall install 1.25 MW capacity of solar power inside plant premises.

