

Name of Project : **Muzaffarpur Bio Fuels Private Limited**

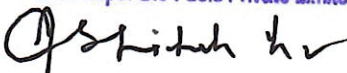
Subject: Grain Based distilleries for Ethanol Blended Petrol - Environmental Clearance- reg.

EC granted vide Online Application No. IA/BR/IND2/223832/2021, F. No. A-J-11011/315/2021-IA-II(I)

Amendment Details

S. No.	Para of EC issued	Details as per the EC	To be revised / read as	Justification / reasons
1.	Specific Condition of EC, Point No. (vi),	CO ₂ generated from the process shall be bottled / made solid ice and Utilized / sold to authorized vendors	NA	i. The only product that can be made from carbon dioxide currently is dry ice or it can be utilized in soft drink plants to add carbonation, and also that there is not much demand for the same, to justify even a small part of the current distilleries or the new ones which are established, to convert the carbon dioxide into dry ice and successfully find a market for the same ii. In Bihar there are only two plants of soft drink manufacturers and their requirement is being fulfilled by their existing suppliers. There is no new demand in Bihar iii. There is no major buyer in Bihar as well as nearby states viz., Jharkhand, U.P., West Bengal etc., to be consider as prospective buyer. iv. The estimated investment required for installing a CO₂ plant is approximately Rs 5 to 6 crores. Given the low return on investment, this expenditure cannot be justified, especially in light of other pressing financial commitments. v. For utilization of CO₂, R & D activities are going on in India as well as other parts of world for various alternatives viz., Conversion to Methane, production of Fertilizer – Ammonium dihydrogen phosphate (NH₄H₂PO₄) & Fuel Cells to be

For Muzaffarpur Bio Fuels Private Limited


Director

				utilized as production of renewable energy . vi. NTPC Vindhyachal is in the process of setting up a CO₂ to Methane conversion plant, showcasing a promising alternative for utilizing CO₂ effectively. vii. Should the any one of CO₂ utilization technology prove successful, we will certainly explore its potential to integrate the same in our operations to enhance environmental sustainability. viii. Installation of CO₂ plant with a huge investment of around Rs. 5-6 Crores will not be financially viable option. Till date, no distillery (molasses based) in the region has installed CO₂ plant
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