

**Reply to Parliament Question No 376 for 03.02.2025 for Rajya Sabha regarding “Petroleum and NG” in respect of Numaligarh Refinery Limited (NRL):**

**Q no. (a):** the details regarding the number of proposals sent and approved for establishing bio-ethanol projects under PM JI-VAN (Jaiv Indhan Vatavaran Anukool Fasal Awashesh Nivaran) Yojana especially from Karnataka;

**Reply:** Ministry to reply.

[Numaligarh Refinery is executing a 2G bio-refinery project in the state of Assam through its Joint Venture Company Assam Bio-Ethanol Pvt. Limited (ABEPL). The approved cost of the project is Rs. 4200 crore. The project is being supported under Pradhan Mantri JI-VAN yojana.]

**Q no. (b):** the details regarding the financial assistance approved and disbursed till date for approved bio-ethanol projects supported under PM JI-VAN bio ethanol projects, state-wise;

**Reply:** Ministry to reply.

[Under Pradhan Mantri JI-VAN yojana, a grant of Rs. 150 Crores has been sanctioned for the project by Central Govt. Two tranches, amounting to 50% of the sanctioned amount (i.e., Rs. 75 Crores), have been disbursed to ABEPL upon the successful achievement of two key milestones.]

**Q no. (c):** the details regarding the physical progress of selected bio-ethanol projects and the proposed timeline of completion;

**Reply:** Ministry to reply.

[The physical progress of the project is 98.3%. The first trial run has been conducted successfully to establish conversion of bamboo to alcohol. During the trial run, bamboo was successfully processed through the digester, bamboo washing section, enzymatic hydrolysis and fermentation sections. The 2G bio-ethanol project at Numaligarh is set to become fully operational by the first quarter of 2025-26.]

**Q no. (d):** whether any delay occurred in completion of bio-ethanol projects, if so, the details thereof alongwith steps taken by the Government to address such delays?

**Reply:** Ministry to reply.

[The project was delayed by 40 months due to new technology and scaling up for commercial production, limited vendors in many packages / equipment due to new technology. Exploring vendors also taken lot of time, import of exotic materials like Titanium, Duplex and Super Duplex resulted in delay in delivery, etc. The project was closely supervised and monitored at the highest levels of authority by the Government of India, with periodic reviews conducted to ensure its progress and alignment with national priorities.]

**Note for Supplementary:**

Numaligarh Refinery Limited (NRL) is a Public Sector Enterprise with a 3.0 MMTPA petroleum refinery at Numaligarh in Golaghat district of Assam. Present shareholding pattern of NRL is Oil India Limited (OIL) – 69.63%, Govt. of Assam (GoA) – 26% and Engineers India Ltd (EIL) – 4.37%.

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