



# India's Ethanol Journey is Unstoppable: Shri Hardeep Singh Puri

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Shri Hardeep Singh Puri, Minister of Petroleum and Natural Gas, today said that “India’s ethanol journey is unstoppable,” while participating in a Fireside Chat Session on the sidelines of the Pioneer Biofuels 360 Summit.



Responding to a question on the success of the Ethanol Blended Petrol (EBP) programme, the Minister highlighted that ethanol blending gained serious momentum only after 2014, when Prime Minister Narendra Modi assumed office. In 2014, ethanol blending was merely 1.53%. By 2022, India achieved 10% blending, five months ahead of schedule. The original target of 20% blending (E20) by 2030 was advanced to 2025 and has already been achieved in the current Ethanol Supply Year (ESY). This success, the Minister noted, was made possible through sustained policy reforms such as guaranteed pricing for ethanol, allowing multiple feedstocks, and rapidly expanding distillation capacity across the country.

Dispelling misinformation and false narratives surrounding ethanol-blended fuel, Shri Puri emphasized that there has not been a single case of engine failure or breakdown reported since E20 became a base fuel over the last 10 months. Citing Brazil's example, he said the country has run on E27 for years without any issues.

Some lobbies with vested interests are actively attempting to create confusion and derail India's ethanol revolution. However, such efforts will not succeed. The E20 transition is already firmly underway, backed by strong policy support, industry readiness, and public acceptance—and there is no turning back.

Elaborating on the benefits of E20, the Minister said it results into reduction in greenhouse gas emissions, improves air quality, enhances engine performance, and has already led to over ₹1.4 lakh crore in foreign exchange savings. He pointed out that 2G ethanol refineries in Panipat and Numaligarh are converting agricultural residues like parali and bamboo into ethanol, providing a win-win solution for clean fuel, pollution control, and farmer income. He further highlighted the remarkable growth of maize-based ethanol—from 0% in 2021–22 to 42% this year—calling it a transformational shift.



On the issue of Flex-Fuel Vehicles (FFVs), Shri Puri said that the Indian automobile industry has already demonstrated its capability. Indian OEMs have begun rolling out prototypes for E85-compatible vehicles. Continuous consultations have been held with the Society of Indian Automobile Manufacturers (SIAM) and other major auto manufacturers, and the direction is clear—progressively moving towards higher ethanol blends. The Ethanol Blending Roadmap (2020–25) has laid a strong foundation, and the successful rollout of E20—five years ahead of target—demonstrates both industry readiness and consumer acceptance. The country will now gradually scale towards E25, E27, and E30 in a phased, calibrated manner with the support of BIS standards and fiscal incentives.

The Minister stressed that ethanol blending is not just about mixing fuel—it is about empowering *Annadatas* by turning them into *Urjadatas*., reducing crude imports, saving foreign exchange, creating green jobs, and honouring India's climate commitments. Over the past 11 years, ethanol procurement has enabled ₹1.21 lakh crore income to farmers, reduced crude imports by 238.68 lakh metric tons, and saved ₹1.40 lakh crore in foreign exchange.

Speaking about India's efforts in Sustainable Aviation Fuel (SAF), Shri Puri said the Ministry is working closely with oil marketing companies, airlines, and global technology partners to develop and scale up SAF. Like ethanol, India will adopt a phased approach to SAF adoption. A blending mandate has already been initiated, with a target of 1% blending for international flights by 2027, increasing to 2% by 2028, and scaling further as supply stabilizes. He also cited the example of the Indian Oil Corporation Ltd. Refinery in Panipat, which is using used cooking oil to produce SAF—showcasing India's innovative and sustainable pathway forward.

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