

GEMA/2025-26/899

Date: 16.03.2026

To,

Shri Narendra Modi Ji

Hon'ble Prime Minister of India

Seva Teerth, New Delhi - 110011

Subject: Introduction of Ethanol-Based Cookstoves in India

On behalf of the members of Grain Ethanol Manufacturers Association (GEMA), I respectfully submit a proposal for the consideration of the Government of India regarding the potential introduction of ethanol-based cookstoves as a complementary clean cooking solution for Indian households as well as commercial users.

India has made remarkable progress in expanding access to clean cooking fuel through LPG, particularly under the transformative initiative of Pradhan Mantri Ujjwala Yojana. This has significantly improved the quality of life for millions of households across the country and is widely regarded as one of the most impactful social energy programs.

However, India continues to depend substantially on imported LPG to meet its growing cooking fuel demand. In the current global environment, the situation in the Middle Eastern region remains uncertain due to ongoing geopolitical tensions and conflicts, which may have implications for global energy supply chains and pricing. Such developments highlight the importance of strengthening India's long-term energy security by diversifying domestic energy options wherever feasible.

At the same time, India has successfully built a robust domestic ethanol ecosystem under the Ethanol Blended Petrol Program and the National Policy on Biofuels. The expansion of ethanol production has not only supported the transport fuel sector but has also strengthened the agricultural economy and enhanced the country's biofuel capabilities.

In this context, ethanol-based cookstoves may present an opportunity to explore an additional application of domestically produced biofuels. Such cookstoves are being adopted in several countries as a clean, smokeless and efficient cooking solution. Ethanol as a cooking fuel offers advantages including clean combustion, reduced indoor air pollution, and the ability to utilize a renewable fuel produced within the country.

The introduction of ethanol cookstoves could be examined as a complementary option alongside LPG for both domestic households and commercial establishments such as restaurants, street vendors, and institutional kitchens. This could help diversify India's clean cooking energy mix, enhance resilience in the cooking fuel sector, and create new avenues for the utilization of domestically produced biofuels.

In this regard, the Association humbly requests the Ministry to kindly consider initiating an appropriate study or pilot program through the concerned departments, oil marketing companies, and technical institutions to examine the technical feasibility, safety standards, and economic viability of ethanol-based cooking solutions in India.

If found suitable, ethanol cookstoves could evolve as an additional clean energy option for consumers while further strengthening India's commitment to sustainable energy, rural economic development, and energy security.

The Grain Ethanol Manufacturers Association (GEMA) would be honored to assist the Ministry in any consultations or technical discussions that may be required in this regard and humbly requests an appointment with your good self at your earliest convenience.

We sincerely thank you for your continued leadership in advancing India's energy transition and biofuel initiatives.

With regards



Dr. C. K. Jain, President

Copy to:

- 1) Sh. Amit Shah Ji, Hon'ble Home Minister, MHA, Kartavya Bhawan-3, Central Secretariat, New Delhi
- 2) Sh. Hardeep Singh Puri Ji, Hon'ble Minister, MoPNG, Kartavya Bhawan-3, Central Secretariat, New Delhi
- 3) Sh. Piyush Goyal Ji, Hon'ble Minister, MCI, Vanijya Bhawan, New Delhi
- 4) Sh. Pralhad Joshi Ji, Hon'ble Minister, DFPD, Krishi Bhawan, New Delhi
- 5) Sh. Tarun Kapoor Ji, Advsiior to PM, Seva Teerth, New Delhi