

Cooking up an eco-revolution

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AHMEDABAD: To manufacture biodiesel from used cooking oil, the Biodiesel Association of India (BDAI) aims to collect 1 crore litres of used cooking oil in Gujarat, through the 2 lakh registered food vendors in the state. An announcement in this regard was made on Tuesday, during the launch of the RUCO (Repurpose Used Cooking Oil) app in Ahmedabad. The app will help manage collection of used cooking oil from food vendors and processing units and supply it to biodiesel manufacturers in the state, through aggregators. Currently, there are 27 such aggregators operating in Gujarat. However, BDAI plans to rope-in more such aggregators over the period of next one year.

When edible oil is heated, its total polarized compound (TPC)-value increases and if this value goes beyond 25% (often with repeated reheating), the oil becomes unfit for consumption, according to experts. An amendment in the Food Safety and Standards Authority of India (FSSAI) Act, implemented on July 1, has made edible oils with total polarized compound (TPC) values beyond 25% unsafe for human consumption. "The FSSAI amendment will mandate that food vendors and processing units discard used cooking oil with TPC values of 25% or higher. With the help from the RUCO app, vendors can supply used cooking oil to aggregators, who will forward it to biodiesel manufacturing units," said Sandeep Chaturvedi, president, BDAI.

GREEN FUEL

BIODIESEL TO BE MADE FROM USED COOKING OIL



30 LAKH TONNES

Projection of how much used cooking oil manufacturers can get

50 LAKH TONNES

Consumption of biodiesel per annum by 2030



12 LAKH TONNES

Installed manufacturing capacity of biodiesel in India

73,000 TONNES: Manufacturing capacity of biodiesel in Gujarat



6,000 PUMPS

Selling B-5 blend (5% Biodiesel + 95% diesel) in India

350 DEPOTS

is the targeted number of collection centres for used edible oil in India by January 2019



Source: Biodiesel Association of India



RECYCLING WASTE

➤ **Heating and re-heating edible oil increases the value of total polarized compound (TPC)**

➤ An amendment to the Food Safety and Standards Authority of India (FSSAI) Act implemented from July 1, says, **edible oil** with TPC value **beyond 25% is unsafe** for human consumption

➤ **Used edible oil with TPC >25% can be used to produce biodiesel**

“FSSAI aims to convert over 20 lakh tonnes of used cooking oil into biodiesel by 2022, which will save fuel worth about Rs 12,000 crore,” said Pawan Agarwal, CEO, FSSAI. Some 87,000 people will be trained by BDAI to become aggregators and operate under RUCO. BDAI aims to set up 350 depots across the country by January 1, 2019, which will act as collection centres for used cooking oil procured by aggregators, said Chaturvedi.

According to BDAI, there are two major players in Gujarat – based in Anand and Surat – that manufacture biodiesel.