

# Modified Scheme to Enhance Ethanol Distillation Capacity

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**In news:** Department of Food & Public Distribution notified modified scheme to enhance ethanol distillation capacity in the country

## **Key features of the modified scheme & its benefits:**

In order to achieve 20% blending by 2025 as well as to meet out the requirement of ethanol production capacity in the country, the Department of Food & Public Distribution has modified earlier scheme & notified the modified scheme for extending financial assistance to project proponents for enhancement of their ethanol distillation capacity or to set up distilleries for producing 1st Generation (1G) ethanol from feed stocks such as cereals (rice, wheat, barley, corn & sorghum), sugarcane, sugar beet etc. or converting molasses based distilleries to dual feedstock vide notification dated 14th January, 2021.

## **Financial assistance:**

For availing assistance under this scheme, the sugar mills/ distilleries / entrepreneurs would be required to submit an application in the prescribed proforma to DFPD within 30 days from the date of notification of the scheme online on the DFPD portal

## **Promotion of the scheme:**

- The Chief Secretaries of all State Governments/ UTs have been requested to promote the scheme to the entrepreneurs of their state and encourage them to participate in the scheme so that the target set by the Government could be achieved well within the timeline.

- State Governments have also been requested to facilitate entrepreneurs in arranging land for the project, to get environment clearance at the earliest & in setting up of distilleries.
- Industry Associations have also been requested to promote the scheme and encourage their members to participate in the scheme.

### **Interest subvention for distilleries:**

Under the scheme , **Government would bear interest subvention for five years including one year moratorium against the loan availed by project proponents from banks @ 6% per annum or 50% of the rate of interest charged by banks** whichever is lower for setting up of new distilleries or expansion of existing distilleries or converting molasses based distilleries to dual feedstock.

This will bring an investment of about Rs. 40,000 crore. Due to upcoming investment in capacity addition / new distilleries, various new employment opportunities will be created in rural areas.

### **Feedstock production of ethanol:**

For production of ethanol, there is sufficient availability of feed stocks; & Government has also fixed remunerative prices of ethanol derived from various feed stocks.

Moreover, OMCs being the assured buyer for ethanol has given comfort for purchase of ethanol from distilleries for next 10 years. As such the upcoming ethanol projects are viable.

### **Ethanol blending target:**

The Government has a fixed target of 10% blending of fuel grade ethanol with petrol by 2022 & 20% blending by 2030.

It is expected that in the current ethanol supply year 2020-21, about 325 crore liters ethanol is likely to be

supplied to OMCs to achieve 8.5 % blending levels.

It is likely that we will be achieving 10% blending target by 2022 with supply of 400 crore liters of ethanol.

### **Preponement of the target of ethanol blending of with petrol by 2025:**

- Now it has been proposed to prepone the 20% blending of ethanol with petrol by 2025.
- To achieve 20 % blending by 2025 & to meet the requirement of chemical & other sectors, about 1200 crore liters of alcohol / ethanol would be required;
  - out of which 900 crore liters would be required to achieve 20% blending & 300 crore liters would be the requirement of chemical & other sectors.
  - Out of total requirement of 1200 crore liters, 700 crore liters is required to be supplied by sugar industry & another 500 crore liters need to be supplied by grain based distilleries.
  - To produce 700 crore liters of ethanol by sugar industry, about 60 Lakh Metric Tonne (LMT) of surplus sugar would be diverted to ethanol which would solve the problem of excess sugar, relieve sugar industry from the problem of storage of surplus sugar, & improve the revenue realization of sugar mills which will facilitate them in making timely payment of cane dues of sugarcane farmers.
  - To produce 500 crore liters of ethanol/alcohol from food grains, about 125 LMT of food grains would be utilized;
  - This extra consumption of surplus food grains would ultimately benefit the farmers as they will get better price for their produce and assured buyers; and thus will also increase the income of crores of farmers across the country.

## **Significance of the scheme:**

- This scheme would not only facilitate diversion of excess sugar to ethanol but would also encourage farmers to diversify their crops to cultivate particularly maize/corn which needs lesser water compared to sugarcane and rice.
- It would enhance production of ethanol from various feed stocks thereby, facilitate in achieving blending targets of ethanol with petrol and would reduce import dependency on crude oil , thereby, realizing the goal of Atmanirbhar Bharat.
- It will also enhance income of farmers as setting up of new distilleries would not only increase demand of their crops but would assure farmers of getting better price for their crops.
- Sugarcane and ethanol is produced mainly in three states viz Uttar Pradesh, Maharashtra and Karnataka. Transporting ethanol to far flung States from these three states involves huge transportation cost.
- By bringing new grain based distilleries in the entire country would result in distributed production of ethanol and would save a lot of transportation cost and thus prevent delays in meeting the blending target & would benefit the farmers across the country.

## **Other measures by the government:**

With a view of support sugar sector and in the interest of sugarcane farmers, the Government has also allowed production of ethanol from B-Heavy Molasses, sugarcane juice, sugar syrup and sugar; and has been fixing the remunerative ex-mill price of ethanol derived from C-heavy molasses, B-heavy molasses and ethanol derived from sugarcane juice/ sugar/ sugar syrup for ethanol season.

To increase production of fuel grade ethanol, Govt. is also encouraging distilleries to produce ethanol from maize; & rice

available with Food Corporation of India.