

F. No. 4/1/2018-(BP&E)(Part)  
Government of India  
Ministry of Consumer Affairs, Food, and Public Distribution  
(Department of Food and Public Distribution)  
Directorate of Sugar & Vegetable Oils

Krishi Bhawan, New Delhi

Dated: 29.03.2023

**OFFICE MEMORANDUM**

**Subject:-** Mechanism to assess production of ethanol from B-Hy, C-Hy molasses, sugarcane juice, sugar & sugar syrup, food-grains such as maize, broken rice, surplus rice sourced from FCI etc. and mechanism to identify the quantity of ethanol produced from these routes separately: Revised Guidelines regarding.

The undersigned is directed to refer to the new Committee constituted under Chairmanship of Director, NSI (Kanpur) to study the issues concerning to production of ethanol from B-Hy, C-Hy molasses, sugarcane juice, sugar & sugar syrup, food- grains such as maize, damaged food grains like broken rice, surplus rice sourced from FCI etc. and mechanism to identify the quantity of ethanol produced from each of these feed stocks.

2. Based on the recommendation of the Committee, this Department has issued a new set of guidelines vide OM No. 4/1/2018-(BP&E)(Part) dated 11<sup>th</sup> November 2022 (copy enclosed), particularly, with reference to parameters to be considered for determining quality of B- Hy molasses and evolving criterion for assessing ethanol production mechanism from grains such as maize, damaged food grains like broken rice, surplus rice sourced from FCI etc. for strict compliance by sugar mills and concerned distilleries.

3. In order to incorporate the issues arising due to simultaneous operation of distilleries on different types of feedstock parallelly, so as to avoid any possible mixing of ethanol from two different streams and to protect the interest of Oil Marketing Companies (OMCs) because of differential pricing offered to ethanol produced from different types of feedstock, amendment in the **Part II, para viii** of guidelines issued on 11.11.2022 has been incorporated at Annexure.

4. Other terms & conditions specified in the guidelines issued vide OM No. 4/1/2018-(BP&E)(Part) dated 11.11.2022 **shall remain unchanged**.

Enclosure: as above



(Sangeet)  
Director (S&VO)  
#011-23383760

To,

1. Principal Secretaries in charge of Sugar of concerned States

2. Principal Secretaries of Excise Departments of concerned States
3. Cane/Excise Commissioners of concerned States
4. Ministry of Petroleum & Natural Gas
5. All sugar mills with attached distilleries/standalone ethanol distilleries
6. ISMA with a request to circulate the guidelines among its member sugar mills/distilleries.
7. NFCSF with a request to circulate the guidelines among its member sugar mills/distilleries.
8. AIDA with a request to circulate the guidelines among its member distilleries.

## Annexure

### **Amended Part II, para viii of the Guidelines issued vide OM No. 4/1/2018 (BP&E) (Part) dated 11.11.2022**

#### **Part-II**

#### **General Recommendations:**

viii. The distilleries i.e. ethanol units **having single processing line** shall be operated with one type of feedstock at a time i.e.

- a. C- Hy molasses
- b. B- Hy molasses
- c. Sugarcane juice/Sugar syrup/Sugar
- d. Surplus rice sourced from FCI
- e. Damaged food grains like broken rice and
- f. Maize

However, in case **where more than one ethanol processing lines are available in the same ethanol unit**, they may use different class of feedstocks for **these processing lines** to be operated in parallel subject to proper recording of data of **different processing lines** with respect to quantities, qualities and complying with the following conditions-

- 1) Storage tanks/silos for each type of feedstock, as mentioned above, shall be separate and clearly earmarked.
- 2) Although different processing lines may be operated on different feedstocks but only one type of feedstock shall be used at a time in any processing line of the ethanol plant. Connections for feed of other raw materials shall remain disconnected.
- 3) Each processing line shall have independent system for weighing of feedstocks, fermentation, distillation and de-hydration units. The ethanol receivers for the ethanol produced from each processing line i.e. for each feedstock shall be separate and shall

  
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not have any connectivity with other ethanol receivers. PTZ (Pan-Tilt-Zoom) cameras shall also be installed at the ethanol receivers.

4) Storage tanks for product i.e. ethanol shall also be separate based on use of feedstock and clearly earmarked. Necessary information and approvals shall be sought by the ethanol units from the state excise or other concerned officials for use of storage tanks.

5) Changeover from one feedstock to another shall be allowed only after minimum 30 days of operation on a particular feedstock. Further, at least one-week advance notice shall be given to the state excise or other concerned officials for changeover of feedstock.

6) The ethanol units shall ensure installation of proper measurement/weighing systems and controls on input and output side.

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*29/12/23*