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ETHANOL GROWTH STORY

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Objectives



- ❑ **3rd largest energy consumer in the world-**
Energy consumption expected to double by 2050
- ❑ **Reduction in hydrocarbon import**
- ❑ **Green Economy-lowering carbon emission**
- ❑ **Abundant resources- 2nd largest sugarcane producer, other agricultural produces**



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Ethanol Growth Story



- ❑ Ethanol blending in petrol (EBP) started in 2001 on pilot basis
- ❑ OMCs start selling 5% EBP in 20 states and 4 UTs from 2006
- ❑ In 2014, re-introduced administered price mechanism, directed Oil PSEs to set up bio-refineries and Tendering processes simplified
- ❑ In 2018-National Policy on biofuels [involving all stakeholders, target 20% EB & 5% BB 2030, 2G Ethanol, Incentives, R&D, distribution & marketing, pricing, FDI]
- ❑ Interest Subvention Scheme [@5% or 50% of total interest] & GST reduction- 18% to 5%



Ethanol Growth Story



- ❑ **Allowed conversion of heavy molasses, sugarcane juice and damaged food grains**
- ❑ **Simplified Ethanol Procurement policy**
- ❑ **Further ease of tender for ethanol supply to Oil Cos.**
- ❑ **In 2021- Roadmap for ethanol blending for 2020-25- 20%EBP target revised from 2030 to 2025, Interest subvention scheme for molasses and grain-based distilleries, BS-VI norms for E20 vehicles from 1 April 2020**



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Ethanol Growth Story



- ❑ **Launch of new vehicles compatible to run on E20 fuel from 2023 and flex fuel vehicles from 2024.**
- ❑ **Ethanol production-1.38 billion litres in 2023 [Molasses-.87 billion & Grain.51 billion]**
- ❑ **Blending percentage increased to 12 % [2022-23]**
- ❑ **Reduction in Greenhouse gas emissions due to the EBP Programme [31.82 million tons during 2014 to November 2022.]**
- ❑ **Foreign currency saving in 2022-23- USD 3 billion**



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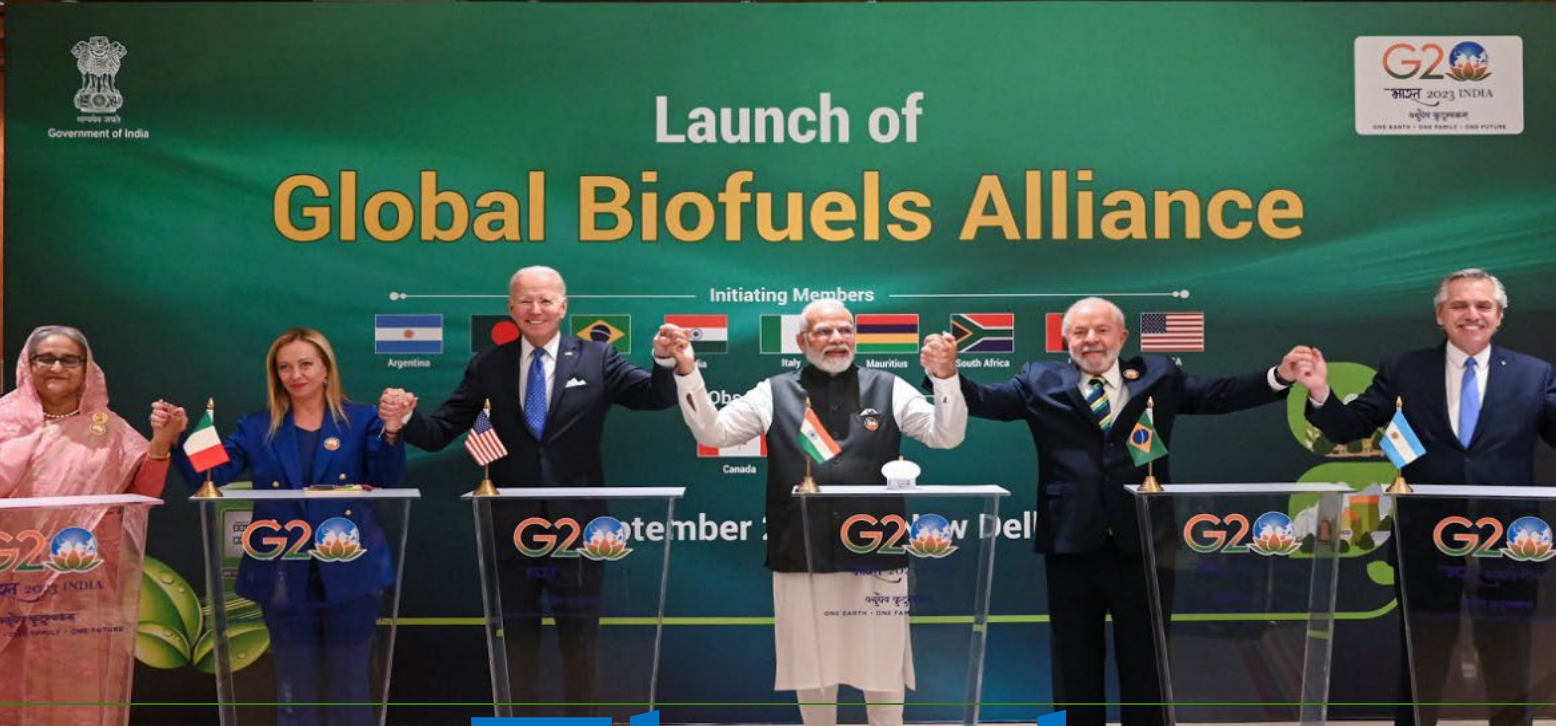
Global Biofuels Alliance



- ❑ **Multi-stake holder alliance initiated by India, Brazil, US [the biggest consumers and producers of biofuels] & other countries launched in September 2023 in New Delhi** to drive development and deployment of biofuels
- ❑ **Joined by 22 countries and 12 international organizations**
- ❑ **Eight G20 countries:** 1. Argentina, 2. Brazil, 3. Canada, 4. India 5. Italy, 6. Japan 7. South Africa 8. USA
- ❑ **14 other countries:** 1. Bangladesh, 2. Finland, 3. Guyana, 4. Iceland, 5. Kenya, 6. Mauritius, 7. Paraguay, 8. Philippines, 9. Seychelles, 10. Singapore, 11. Sri Lanka, 12. Tanzania, 13. Uganda, 14. UAE
- ❑ **12 International organizations:** ADB, WEF, World LPG Organization, UN Energy for All, UNIDO, Biofutures Platform, ICAO, IEA, International Energy Forum, International Renewable Energy Agency, World Biogas Association. World Bank
- ❑ **Viet Nam was invited to join in 2023**



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Thanks

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