

Daily Current Affairs

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Centre Permits E100 Ethanol Fuel in Flex-Fuel Vehicles

- The MoRTH has made modifications in the Central Motor Vehicles Rules so as to permit E100 ethanol fuel to be used in vehicles specially designed and tested to run on E100 ethanol fuels.
- It aims at supporting India in its attempt to have a diverse source of transport fuel energy and reducing reliance on imported crude oil.
- E100 is a high ethanol content fuel that is meant for use in vehicles designed for the purpose. In fuel codes, the letter “E” means ethanol, while the figure represents the nominal percentage by volume.
- E100 is usually referred to as 100% ethanol, yet the actual chemical composition and permitted specifications may vary depending on the applicable standard. It is not the same as petrol and low-ethanol blends.
- Ethanol is an alcohol-based fuel that can be obtained from sugarcane, maize and many others. In India, it is closely related to agriculture and biofuel policies.
- A flex-fuel vehicle is made to run on various blends of gasoline and ethanol. The fuel system of the vehicle and its engine-management system are designed to function on the approved fuels.
- Based on how the flex-fuel vehicle is designed and certified, it can run on various blends including low-ethanol gasoline to E85 or E100. All flex-fuel vehicles need not run on all blends.
- India has succeeded in achieving its 20% ethanol blending target for the ethanol supply year 2025-26. This is an achievement regarding blending petrol in the whole nation, and it is different from making certified vehicles run on E85 or E100.



Ballon d'Or 2026

- The 70th Ballon d'Or 2026 ceremony took place at the Palladium Theatre in London, and it was the first time outside France. England and Bayern Munich striker Harry Kane won the Men's Ballon d'Or, and he finished ahead of Kylian Mbappe and Lamine Yamal. Also, Spain's Alexia Putellas won the Women's Ballon d'Or for the third time.
- The Ballon d'Or ceremony recognized several other awards, such as best young players, best goalkeeper, coaches and clubs, alongside with goal scoring and humanitarian work.
- 33-year-old England and Bayern Striker Harry Kane won the 2026 men's Ballon d'Or. In another dominant season with the dominant German club, Kane scored 61 goals across all competitions for Bayern, including 36 goals in 31 Bundesliga games.
- In the Women's Ballon d'Or 2026, Alexia Putellas emerged as the winner.
- Putellas, an attacking midfielder for London City Lionesses (formerly Barcelona) and the Spanish national team, returned to the podium three years after winning the award twice in 2021 and 2022.



Vigilance Awareness Week 2026

- The Central Vigilance Commission (CVC) is observing Vigilance Awareness Week 2026 between October 26 and November 1 under the slogan “Probity for Prosperity” (सत्यनिष्ठा से समृद्धि).
- The annual event encourages integrity, transparency and accountability in public life and creates awareness about the prevention of corruption.
- Departments of the government, public sector undertakings, public sector banks and other institutions have been asked to take the Integrity Pledge, conduct awareness events and involve the public in anti-corruption campaigns.
- Vigilance Awareness Week is an annual event that takes place under the aegis of the CVC and aims at ethical conduct, transparency and the prevention of corruption in public administration.
- The Central Vigilance Commission (CVC) is India’s top vigilance body that is set up to deal with corruption and improve vigilance in central government bodies.
- The Commission came into existence in 1964 on the basis of the recommendations of the committee on Prevention of Corruption headed by K. Santhanam and it was given statutory recognition under the **Central Vigilance Commission Act, 2003**.



INOX India Opens Semiconductor Training Centre

- INOX India and its partners inaugurated the Semi Orbit Skill Excellence Centre at the Paldi campus of ITM SLS Baroda University in Vadodara, Gujarat.
- The centre is a collaboration among INOX India (INOXCVA), ITM SLS Baroda University, INOX Air Products and Swagelok Bombay. Its programmes are designed for students, engineers and working professionals preparing for technical roles in semiconductor manufacturing.
- The centre will provide structured courses, practical workshops, certification opportunities and hands-on training in orbital welding, process piping and ultra-high-purity gas distribution systems. INOX India will provide cryogenic and gas infrastructure and train engineers.
- INOX Air Products will supply UHP gases, while Swagelok Bombay will contribute technology and expertise in orbital welding and process piping. ITM SLS Baroda University will lead academic and training activities.
- Training will cover the installation, fabrication and maintenance of UHP gas distribution systems, semiconductor process utility infrastructure and advanced orbital welding applications. Orbital welding is a mechanised process used to weld pipes and tubes around their circumference.



REVIEW QUESTIONS

Q1. Which ministry amended the Central Motor Vehicles Rules to permit E100 ethanol fuel in specially designed vehicles?

- A) Ministry of Petroleum and Natural Gas
- B) Ministry of Road Transport and Highways
- C) Ministry of Heavy Industries
- D) Ministry of New and Renewable Energy

Answer: B) Ministry of Road Transport and Highways

Q2. What does the letter “E” represent in ethanol fuel classifications such as E10, E20 and E100?

- A) Electricity
- B) Engine capacity
- C) Ethanol
- D) Energy efficiency

Answer: C) Ethanol

Q3. India achieved its 20% ethanol-blending target in petrol for which ethanol supply year?

- A) 2023–24
- B) 2024–25
- C) 2025–26
- D) 2026–27

Answer: C) 2025–26

Q4. Who won the Men's Ballon d'Or 2026?

- A) Kylian Mbappé
- B) Lamine Yamal
- C) Harry Kane
- D) Erling Haaland

Answer: C) Harry Kane

Q5. In which years had Alexia Putellas previously won the Women's Ballon d'Or, as mentioned in the presentation?

- A) 2019 and 2020
- B) 2020 and 2021
- C) 2021 and 2022
- D) 2022 and 2023

Answer: C) 2021 and 2022

Q6. What was the theme of Vigilance Awareness Week 2026, according to the presentation?

- A) Integrity Begins with Us
- B) Probity for Prosperity
- C) Transparency for Transformation
- D) Corruption-Free India

Answer: B) Probity for Prosperity (सत्यनिष्ठा से समृद्धि)

Q7. The Central Vigilance Commission received statutory status under which Act?

- A) Prevention of Corruption Act, 1988
- B) Central Vigilance Commission Act, 2003
- C) Lokpal and Lokayuktas Act, 2013
- D) Right to Information Act, 2005

Answer: B) Central Vigilance Commission Act, 2003

Q8. Who headed the Committee on Prevention of Corruption whose recommendations led to the establishment of the Central Vigilance Commission?

- A) Sarkaria
- B) K. Santhanam
- C) M. C. Setalvad
- D) Punchhi

Answer: B) K. Santhanam

Q9. In which city is the Semi Orbit Skill Excellence Centre located?

A) Ahmedabad, Gujarat

B) Surat, Gujarat

C) Vadodara, Gujarat

D) Gandhinagar, Gujarat

Answer: C) Vadodara, Gujarat

Q10. What is orbital welding?

A) A process used to manufacture solar panels

B) A mechanised process for welding pipes and tubes around their circumference

C) A method of producing semiconductor chips

D) A technique for refining crude oil

Answer: B) A mechanised process for welding pipes and tubes around their circumference