

Global Electrification Agenda

Prelims: Current events of national and international importance | Environment

Why in News?

The COP31 “35-by-35” pledge is economically viable, as a recent report from the International Energy Agency (IEA) confirms that declining technology costs render global electrification achievable.

COP31 “35-by-35” Electrification Goal

- **31st Conference of the Parties (COP31)** - It is scheduled to take place in **Antalya, Türkiye**, from 9 to 20 November 2026.



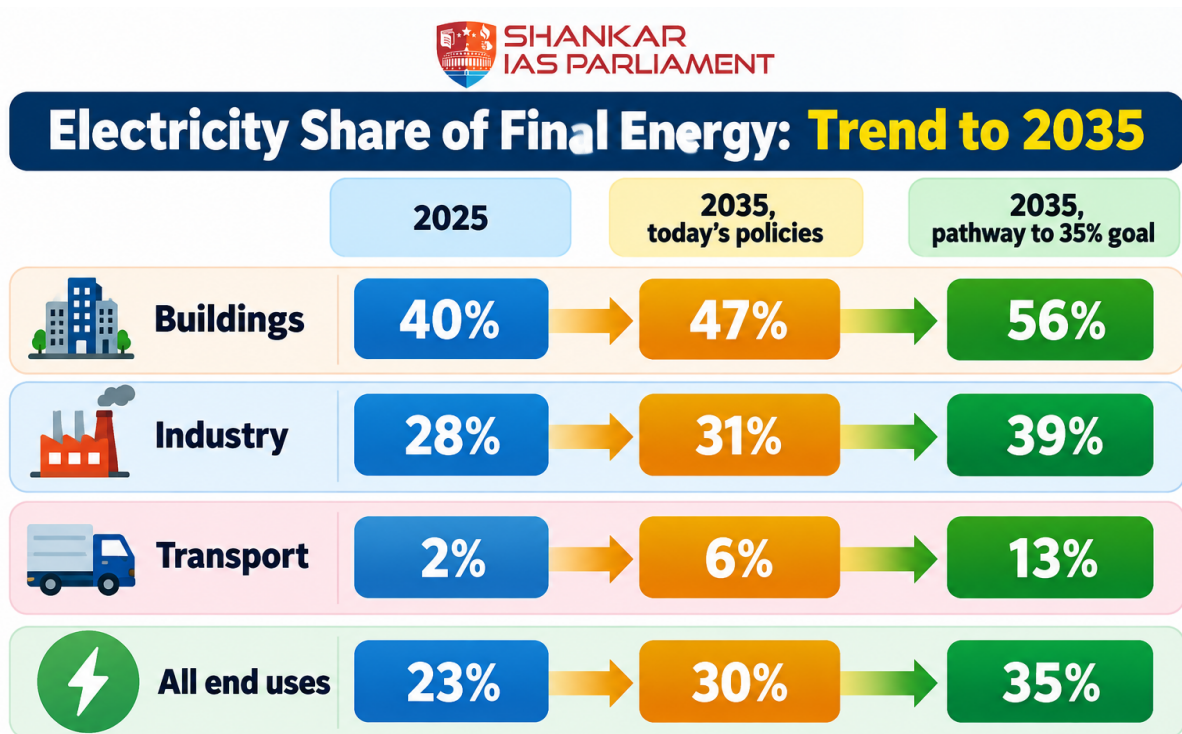
The infographic features a table of key details for the COP31 conference, set against a background image of Antalya, Türkiye, with a globe, wind turbines, and solar panels in the foreground. The SHANKAR IAS PARLIAMENT logo is in the top right corner.

 COP31 UN CLIMATE CHANGE CONFERENCE	
 COP	COP31
 Venue	Antalya, Türkiye
 Date	9–20 November 2026
 Present electricity share of final energy	~23%
 Target by 2035	35%
 Required annual increase	~1.2 percentage points/year
 Key institution supporting assessment	International Energy Agency (IEA)

- The COP31 Presidency of Türkiye has identified **global electrification** as one of its **3 primary objectives**, together with **waste reduction** and the development of **climate-resilient buildings**.

- **Proposed target** - To increase the share of electricity in global final energy demand from approximately 23 percent to 35 percent **by 2035**.
- This initiative is referred to as the **“35-by-35” Global Electrification Pledge**.

***Electrification** refers to the conversion of devices, systems, or entire sectors from fossil fuel dependence to electricity as the primary energy source.*



Source: IEA

- **Significance**
- **Climate Objectives** - The **Intergovernmental Panel on Climate Change (IPCC)** identifies widespread electrification as a key component of **net-zero energy systems**.
- Modelled pathways consistent with limiting global warming to 1.5°C indicate that electricity could supply 48 to 58 percent **of final energy consumption by 2050**.
- **Emission Reductions** - According to the International Energy Agency (IEA), in a **High Electrification Scenario**, end-use emissions are projected to decrease by approximately 40 percent **by 2035**.
- **Energy Access** - Approximately **730 million people** worldwide still lack access to electricity.

- Therefore, electrification serves not only as a **climate mitigation strategy but also as a means to advance development and improve energy access.**

Reference

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