



# Bureau of Energy Efficiency

[Source: PIB](#)

## Why in News?

The **22<sup>nd</sup> Foundation Day** of the [Bureau of Energy Efficiency](#) was recently celebrated with the theme "**Energy Transition through Electrification and Decarbonization in India**" and the [State Energy Efficiency Index 2023](#) was released.

## What is the State Energy Efficiency Index (SEEI) 2023?

### ▪ About:

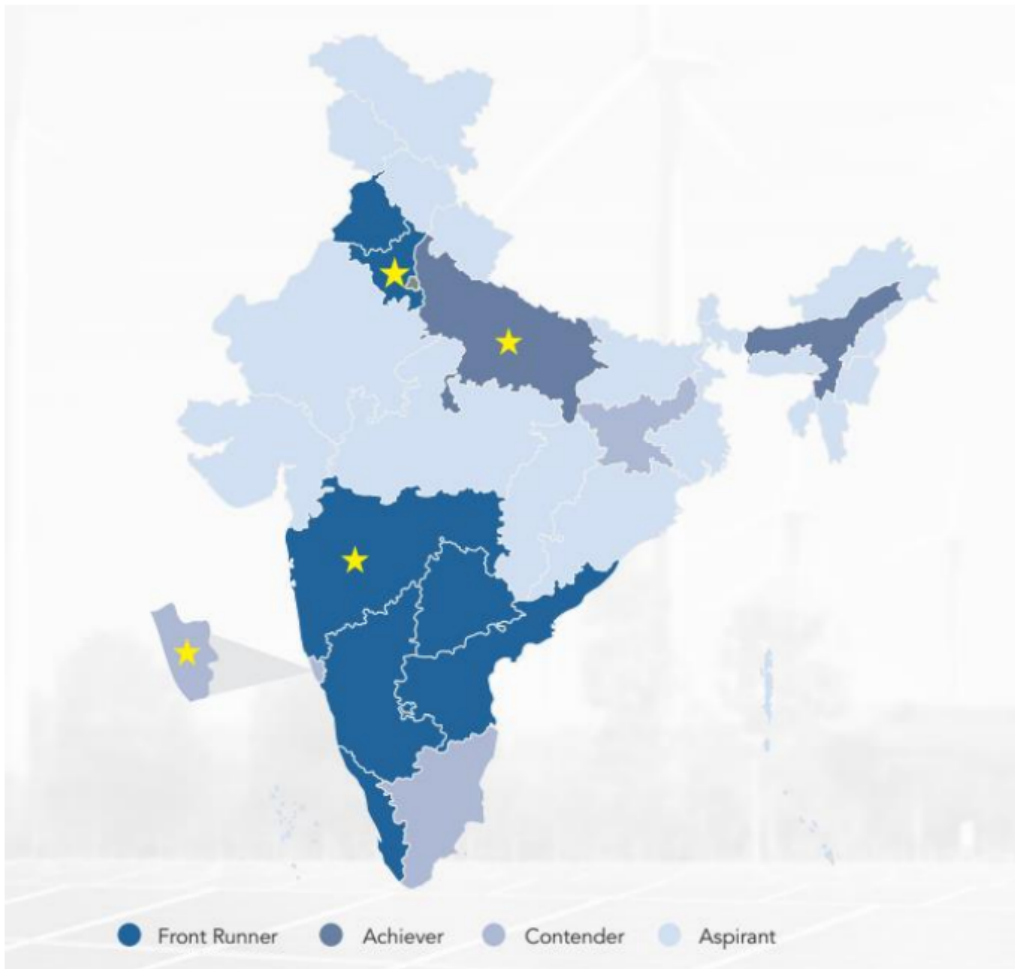
- It is the **5<sup>th</sup> edition** of the index, developed by the Bureau of Energy Efficiency (BEE), a **statutory body** under the [Ministry of Power](#), in association with the [Alliance for an Energy-Efficient Economy \(AEEE\)](#).
- It evaluates the performance of 36 states and UTs across **seven demand sectors** using 65 indicators, including qualitative, quantitative, and outcome-based measures.
- In **SEEI 2023**, states and UTs are classified as 'Front runner' ( $\geq 60$ ), 'Achiever' (50-59.75), 'Contender' (30-49.75), and 'Aspirant' ( $< 30$ ) according to their total scores.
- States and UTs are also classified into **four groups** based on their total final energy consumption (TFEC) **for peer-to-peer performance comparison**: Group 1 ( $> 15$  million tonnes of oil equivalent (MTOE)), Group 2 (5-15 MTOE), Group 3 (1-5 MTOE), and Group 4 ( $< 1$  MTOE).
  - The **top-performing states in each group are** Karnataka (Group 1), Andhra Pradesh (Group 2), Assam (Group 3), and Chandigarh (Group 4).

		Sectors							
Categories									
Policy		Cross-sector	Buildings	Industries	Municipal Services	Transport	Agriculture	DISCOM	Total
Finance									
Institutional Capacity									
Adoption of EE Measures									
Energy Savings									
		Programme-specific Indicators							
		Common Indicators							
Sector weights		15	22	17	11	16	8	11	100
Indicator Weights	Common	15	9	6	2	7	3	6	48
	Programme		13	11	9	9	5	5	52

### Framework for SEEI 2023

#### ▪ Key Findings of SEEI 2023:

- Front runner ( $\geq 60$ ):
  - Seven states in 'Front runner' category in SEEI 2023: Karnataka (score 86.5), Andhra Pradesh (83.25), Haryana, Kerala, Maharashtra, Punjab, and Telangana.
- Achiever (50-59.75):
  - Two states, **Assam and Uttar Pradesh** are in the 'Achiever' category,
- Contender (30-49.75):
  - Three states, **Goa, Jharkhand, and Tamil Nadu**, are in the 'Contender' category.
- Aspirant ( $< 30$ ):
  - **Maharashtra and Haryana** most improved states, with score increases of 18.5 and 17 points, respectively.
- **15 states have improved** their scores compared to SEEI 2021- 22.
- **Substantial decline** in score observed in **Rajasthan**, primarily attributed to **lack of reported data**.



### ***Performance of states and UTs under SEEI 2023***

#### **Bureau of Energy Efficiency (BEE):**

- **BEE** was established on 1st March 2002, under the provisions of the [Energy Conservation Act, 2001](#), under the **Ministry of Power**.
- The mission of BEE is to assist in **developing policies** and strategies for energy efficiency with the primary objective of reducing the **energy intensity** of the Indian economy.
- **Functions:** It is responsible for **regulatory and promotional functions** outlined in the Energy Conservation Act, 2001.
- **BEE has helped India reduce its energy consumption by around 3.5%.**

#### **UPSC Civil Services Examination, Previous Year Question:**

##### **Prelims**

**Q. On which of the following can you find the Bureau of Energy Efficiency Star Label? (2016)**

1. Ceiling fans
2. Electric geysers
3. Tubular fluorescent lamps

**Select the correct answer using the code given below:**

- (a) 1 and 2 only
- (b) 3 only
- (c) 2 and 3 only
- (d) 1, 2 and 3

**Ans: (d)**

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