

Bureau of Energy Efficiency

Source: PIB

Why in News?

The 22nd Foundation Day of the <u>Bureau of Energy Efficiency</u> was recently celebrated with the theme "Energy Transition through Electrification and Decarbonization in India" and the <u>State Energy</u> <u>Efficiency Index 2023</u> was released.

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

About:

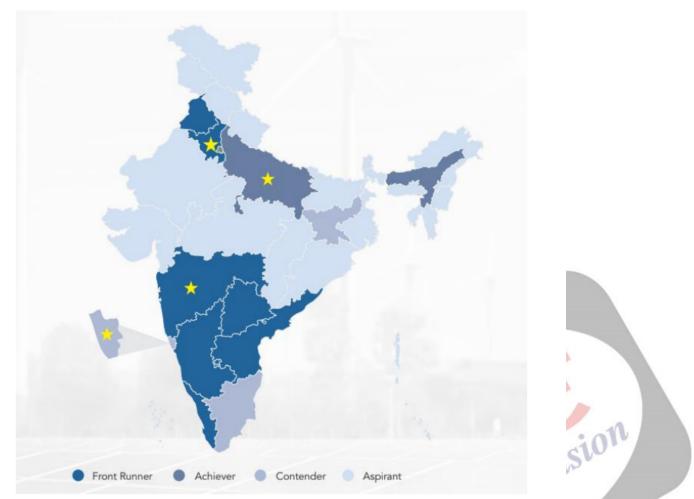
- It is the 5th edition of the index, developed by the Bureau of Energy Efficiency (BEE),
 a statutory body under the <u>Ministry of Power</u>, in association with the <u>Alliance for an Energy-Efficient Economy (AEEE)</u>.
- It evaluates the performance of 36 states and UTs across **seven demand sectors** using 65 indicators, including qualitative, quantitative, and outcome-based measures.
- In SEEI 2023, states and UTs are classified as 'Front runner' (>=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	*	M		4.			養		
Policy									
Finance				S					
Institutional Capacity	Jo.			Service		Φ			
Adoption of EE Measures	Cross-sector	Buildings	Industries	Municipal Services	Transport	Agriculture	DISCOM	Total	
Energy Savings		Programme-specific Indicators							
	Common Indicators								
Sector weights	15	22	17	11	16	8	11	100	
Common	15	9	6	2	7	3	6	48	
Weights Programme		13	11	9	9	5	5	52	

Framework for SEEI 2023

Key Findings of SEEI 2023:

- Front runner (>=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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