WORLD ENERGY COUNCIL
INDIA

NATIONAL ENERGY TRILEMMA INDEX 2023

In Partnership with Deloitte.

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ABBREVIATIONS

ABR	Average Billing Rate
ACS	Average Cost of Supply
AQI	Air Quality Index
ARR	Average Revenue Realized
AT&C Loss	Aggregate Technical and Commercial loss
DISCOM	Distribution Company (Electricity)
DPIIT	Department for Promotion of Industry and Internal Trade
EMCI	Energy Mix Concentration Index
EV	Electric Vehicle
GENCO	Generation Company (Electricity)
HH	Households
LGBR	Load Generation Balance Report
LPG	Liquified Petroleum Gas
MOSPI	Ministry of Statistics and Programme Implementation
MPI	Multidimensional Poverty Index
NITI Aayog	National Institution for Transforming India Aayog
PAT	Profit After Tax
PNG	Piped Natural Gas
PPAC	Petroleum Planning & Analysis Cell
RE	Renewable Energy
SDA	State Development Authority
SDG	Sustainable Development Goals
TMT	Thousand Metric Tonnes

EXECUTIVE SUMMARY

Remarkable progress was achieved by India in recent years in the areas of energy access and renewable capacity expansion. India showcased a proactive climate change approach at COP-28, led by Hon'ble Prime Minister Shri Narendra Modi, emphasizing accessible green finance for developing nations.

However, at the same time, India needs to create a balancing act between its climate change targets and fulfilling energy demand of a growing economy. India in its 'Long-Term Low Emission Development Strategy (LT LEDS)' has asserted that low carbon development transitions in the sector should not impact energy security, energy access and employment.

Achieving these goals nationally, requires significant contributions and commitments from the Indian States and Union Territories (UTs) as well. In this context, an outcome-based framework was developed i.e. "National Energy Trilemma Index" in 2020 to evaluate states' progress on energy sector.

The framework adopted in this report draws from the World Energy Council's Energy Trilemma Index, which is annually published since 2010. The World Energy Council's definition of the Index is based on three core dimensions including Energy Security, Energy Equity and Environmental Sustainability of Energy Systems, with an additional aspect of Country Context. India is ranked 63rd in World Energy Trilemma Index 2022 Report, which has improved from 75th Rank in the previous year report.

In this report the National Energy Trilemma Index, measures performance of States and Union Territories (UTs) across these dimensions of: Energy Security, Energy Equity and Environmental Sustainability. Balancing these three goals constitutes a 'Trilemma' and balanced systems enable prosperity and competitiveness. Additionally, the States/UTs are also scored on the dimension of state context, which measures States/UTs on their governance, logistics, ability to deliver on investments and innovation parameters.

Each dimension in the National Energy Trilemma Index is an aggregation of various indicators, which in turn are aggregation of several sub-indicators. The dimensions are broken down into a total of 11 indicators and 38 sub-indicators, on which performance of each state is scored. The set of indicators selected provide a deeper understanding of an issue or dimension and helps develop a clear picture of the whole system, including its inter-linkages and trade-offs.

Performance of 28 State and 8 UTs has been showcased in this report. Southern and Western States have maintained better scores in both second and third editions of National Energy Trilemma Index, while North-Eastern states and southern states have shown significant improvement in scores from the second edition. Out of States, Karnataka, Gujarat, Telangana, Kerala and Himachal Pradesh have scored highest, while among UTs Chandigarh and Delhi have secured highest cumulative scores on all dimensions.

A more detailed analysis of State/ UT performance across various dimensions, indicators and sub-indicators are provided in this report. This index can be a useful tool for States/ UTs to benchmark their progress as relative performance compared to their peers and identify priority areas and gaps for their policy decisions.

1. INTRODUCTION

India is at the cusp of energy transition. The country is one of the fastest growing major economy in the world. Power sector is a fundamental driving force in the progress of the nation.

Going forward changes in power sector shall be primarily driven by 3Ds of Digitalization, Decarbonization and Decentralization. Digital integration of grid, AMI applications, Green Hydrogen as alternative fuel and driving next phase of solar expansion through distributed energy resources are some of the key focus areas of the sector in future.

This is also reflected in India's long-standing commitment towards climate change through NDCs. India, led by Hon'ble Prime Minister Shri Narendra Modi, demonstrated a proactive and comprehensive approach to addressing climate change at COP-28 held in Dubai from 30th November to 12th December 2023. India at COP-28 emphasized on the urgency of accessible climate finance for developing nations, while advocating for the concerns of the collective Global South. Further, initiatives such as Phase-II of Leadership Group for Industry Transition (Lead IT 2.0) and Green Credits Programme, underscore India's commitment to diverse strategies for sustainable development. Involvement in the Quad Climate Working Group and the Mangrove Alliance reflects recognition of the pivotal role played by local communities and regional governments in fostering sustainable lifestyles and conservation efforts.

However, at the same time, India needs to create a balancing act between its climate change targets and fulfilling energy demand of a growing economy. India in its 'Long-Term Low Emission Development Strategy (LT LEDS)' has asserted that low carbon development transitions in the sector should not impact energy security, energy access and employment. India will soon become the world's most populous country, adding the equivalent of a city the size of Los Angeles to its urban population each year. Also, India is one of the fastest growing major economy in the world, with a target of USD 1 trillion economy from manufacturing by 2025 (up from USD 450 Billion in 2022). To meet growth in electricity demand over the next twenty years, India will need to add a power system the size of the European Union to what it has now.

Achieving these goals nationally, requires significant contributions and commitments from the Indian States and Union Territories (UTs) as well. Further variations across States/UTs in energy use patterns, generation potential, demography, economic aspects such as paying capacity, calls for state specific strategies towards energy transition.

In this context, an outcome-based framework was developed i.e. "National Energy Trilemma Index" in 2020 to evaluate States' and UTs' progress on energy sector. The Index can be a useful tool for States/ UTs to benchmark their progress as relative performance compared to their peers and identify priority areas and data gaps.

The National Energy Trilemma Index assesses performance of States and UTs across three core dimensions:

i. **Energy Security:** Reflects capacity to meet current and future energy demand reliably, withstand and bounce back swiftly from system shocks with minimal disruption to supplies.

ii. **Energy Equity:** Reflects ability to provide universal access to affordable, fairly priced and abundant energy for domestic and commercial use.

iii. **Environmental Sustainability:** Reflects the transition of a State/UT's energy system towards mitigating and avoiding potential environmental harm and climate change impacts.

Additionally, the States/UTs are also scored on the dimension of State Context, which measures States/UTs on their governance, logistics, ability to deliver on investments and innovation parameters. These 4 dimensions are further broken down into 11 indicators and 37 sub-indicators, on which performance of each State/ UT is scored.

The National Energy Trilemma Index is a work in progress and continuous refinements will be made as additional quality data becomes available and data systems improve. This report measures performance of 28 States and 8 UTs on various dimensions, indicators, and sub-indicators.

Based on the assessments, the top performing, and top improver States/ UTs on the National Energy Trilemma Index are as follows:

Table 1: Top performers and improvers on National Energy Trilemma Index 2023

Top 5 PERFORMERS

States/ UTs with highest overall scores

Rank	Score 2023	State
1	66.63	Karnataka
2	65.89	Gujarat
3	65.62	Himachal Pradesh
4	65.51	Kerala
5	64.59	Telangana

Rank	Score 2023	Union Territory
1	64.55	Chandigarh
2	63.28	Delhi
3	52.20	DNH-DD
4	50.86	Puducherry
5	47.37	Lakshadweep

Top 5 IMPROVERS

States/ UTs with highest improvement

Score 2023	Score 2022	Change	State
51.47	44.77	6.70	Arunachal Pradesh
64.59	58.58	6.01	Telangana
59.75	55.77	3.98	Odisha
56.80	53.47	3.33	Assam
45.34	42.36	2.98	Meghalaya

Score 2023	Score 2022	Change	Union Territory
47.37	44.60	2.77	Lakshadweep
39.68	37.73	1.95	Jammu & Kashmir
64.55	63.95	0.60	Chandigarh
-	-	-	-
-	-	-	-

Note – Dimension wise scores are out of 25; Only three UTs show improvement from previous edition

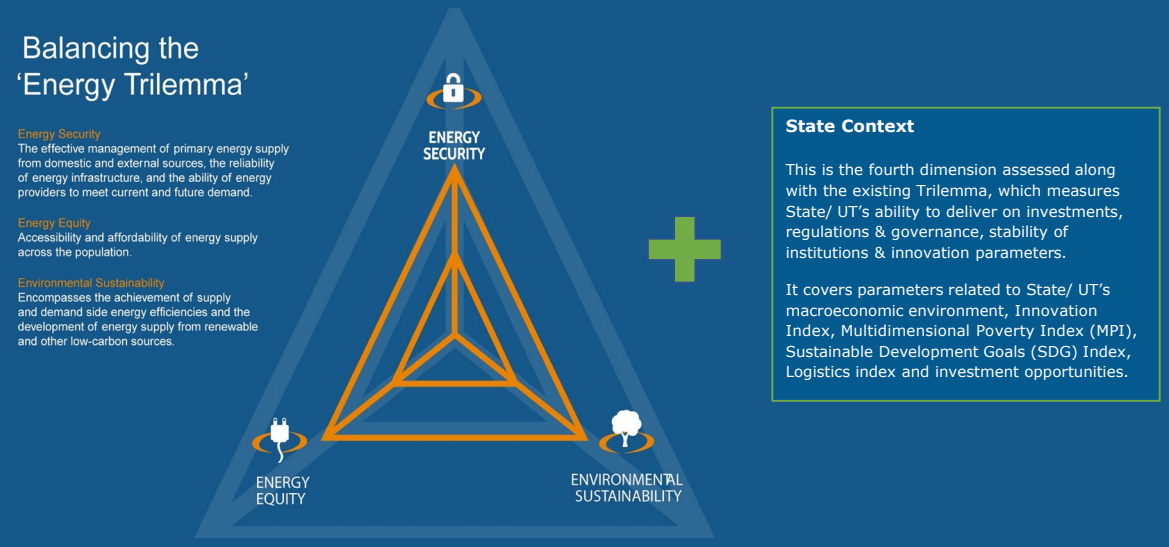
2. National Energy Trilemma Index Methodology

2.1 What is Energy Trilemma

The framework adopted in this report draws on the World Energy Council's Energy Trilemma Index, which is annually published since 2010 and World Economic Forum's Energy Transition Index which has published 10 editions of Energy Transition Index.

The World Energy Council's definition of energy sustainability is based on three core dimensions: Energy Security, Energy Equity, and Environmental Sustainability of Energy Systems. Balancing these three goals constitutes a 'Trilemma' and balanced systems enable prosperity and competitiveness.

Figure 1: Explaining energy trilemma.



Energy Security

Measures:

Ability to meet current and future energy demand. Withstand and respond to system shocks

Covers:

- Diversity and management energy sources
- Reliability and resilience of energy infrastructure

Energy Equity

Measures:

Ability to provide access to reliable, affordable and abundant energy for domestic/ commercial use

Covers:

- Access to electricity and clean fuels
- Affordability of energy
- Performance of utilities

Environmental Sustainability

Measures:

Ability to mitigate and avoid environmental degradation and climate change impacts

Covers:

- Energy Efficiency
- Distribution, decarbonization and air quality

2.2 INDICATORS AND WEIGHTAGES

Each dimension in the National Energy Trilemma Index is an aggregation of various indicators, which in turn are aggregation of several sub-indicators, as follows:

Table 2: Number of indicators and sub-indicators

Dimension	Energy Security		Energy Equity		Environmental Sustainability		State Context	=	4 Dimensions
Indicators	2	+	3	+	3	+	3	=	11 indicators
Sub-indicators	9	+	11	+	8	+	9	=	37 sub-indicators

The set of indicators selected provide a deeper understanding of an issue or dimension and helps develop a clear picture of the whole system, including its inter-linkages and trade-offs. Each indicator category is composed of a set of carefully selected sub-indicators that are highly relevant to the Energy Trilemma, and which meet the following criteria:

Coverage	Sub-indicators should be critical to the Index's methodology and should cover majority of relevant States/UTs.
Comparability	Data for sub-indicator scores can be derived from unique and comprehensive sources, preferably a single source per sub-indicator as far as practical, to ensure comparability between States/UTs.
Relevance	Sub-indicators should provide insight into State's/UT's situations in the context of the dimension/ indicator.
Distinctiveness	Each sub-indicator should focus on a different aspect of the issue being explored and avoids overlaps or redundancy with other sub-indicators.
Robustness	Sub-indicator data are available from reputable sources with the most current information available at sufficient coverage.
Balance	Sub-indicators within each dimension (and dimensions across the Index) exhibit coverage of different issues.

The sub-indicators selected for this report are widely used as a tool for communicating energy issues to policy makers and the public.

Each sub indicators is assigned a weightage, for the aggregation of a State's/UT's scores. Each of the core dimension i.e. Energy Security, Energy Equity, Environmental Sustainability and State Context have been given equal priority and weightages. Assignment of equal weightages to variables in composite indices has been debated from the perspective of robustness and interpretation of the aggregate scores. However, due to the lack of empirical evidence on the relative importance of variables within and across dimensions for all the states for which the Index

provides coverage, the dimensions have been weighted equally. Moreover, within each dimension, higher weightages are given to those indicators and sub-indicators which are more relevant to existing issues being faced in the sector.

In the following sub-burst diagram, the innermost circle depicts the four dimensions assessed in this report, the middle circle depicts various indicators under each dimension and the outermost circle depicts the sub-indicators under each indicator. The width of each cell indicates their weightage.

Figure 2: Sunburst chart of dimensions, indicators and sub-indicators

List of indicators and sub-indicators, under each dimension, used in National Energy Trilemma Index are as follows:

Table 3: List of all indicators and sub-indicators

Energy Security – 25%

Indicator	Sub - Indicator	Weightage (%)
Electricity Diversity and Power Supply Position	1. Diversity of Electricity Installed Capacity (EMCI)	2.00
	2. Share of RE in total installed capacity (%)	2.00
	3. Installed generating capacity (Growth Rate in %)	2.00
	4. Electricity consumption per capita (in kWh)	2.00
	5. Energy not supplied (Deficit) in %	2.00
	6. Installed Capacity/ Peak Demand	2.00
Viability of Energy/ Electricity Systems in State	7. AT&C Losses (in %)	5.00
	8. ACS-ARR Gap (in Rs./unit)	4.00
	9. Average Hours of Supply in Agriculture (Mins/day)	4.00

Energy Equity – 25%

Indicators	Sub - Indicators	Weightage (%)
Energy Access	1. Access to Electricity %	2.50
	2. LPG + PNG Connections against number of HHs %	2.50
Affordability	3. Average Cost of Supply (ACS)	4.00
	4. Non-Subsidized LPG Price (Rs/14.2 kg Cylinder)	1.00
	5. Petrol Prices in Rs/litre	1.00
	6. Diesel Prices in Rs./litre	1.00
	7. Cross Subsidization (Industrial ABR/ACS)	3.00
Performance of Utilities	8. PAT / Revenue	2.50
	9. Overdue/ Cost of Power	2.50
	10. Payables of Power Purchase (Days)	2.50
	11. Tariff Subsidy Billed/ Total Revenue	2.50

Environmental Sustainability – 25%

Indicators	Sub – Indicators	Weightage (%)
Energy Resource Productivity	1. Energy Efficiency Score	3.00
	2. Performance of Clean Energy (Capacity/Potential)-%	3.00
	3. Energy intensity (kgoe/GDP in 1000 INR)-Data	3.00
Decarbonization	4. CO2 saved from LED Bulbs/1000 population(tonnes)	4.50
	5. % of Forest Cover (Forest Cover wrt total area)	4.50
Emissions and Pollution	6. Emission Intensity (kgCO2eq/ GSDP in 1000 INR)	3.00
	7. Air Quality Index (on 27.07.21)	2.00
	8. EV Penetration in %	2.00

State Context – 25%

Indicators	Sub - Indicators	Weightage (%)
Macroeconomic Environment	1. Growth rate of GSDP	3.00
	2. FDI Equity Inflows (in USD Million)	3.00
	3. States' Ranking: Start up Index*	3.00
Regulations, Institutions & Governance	4. Multidimensional Poverty Index (Score)	2.00
	5. Good Governance Index (Score)	3.00
	6. SDG Index (Score)	3.00
Stability for Investment & Innovation	7. Innovation Score as per India Innovation Index	3.00
	8. Logistics Index (Index Scores)	3.00
	9. Investment Opportunities (in USD Billion)	2.00

**Scores are awarded as follows - 100= Best performer; 80= Top Performer; 60= Leaders; 40=Aspiring Leaders; 20=Emerging States; 10= Beginners*

Certain sub-indicators have been updated from the previous edition of this report (National Energy Trilemma Index 2022) on account of data unavailability, as follows:

Table 4: Changes made in sub-indicators from 2022 edition

Sl.	Sub-indicator 2022 edition	Sub-indicator 2023 edition	Rationale for change
1.	Human Development Index (Score)	Multidimensional Poverty Index (Score)	The last Human Development Index (HDI) was published in FY2017-18 and has not been updated since. The most recent Multidimensional Poverty Index (MPI) report was published in 2023 by NITI Aayog, with the previous report released in 2021.
2.	Notification of SAPCC	-	Omitted this parameter as the data utilized remains consistent with the previous report, and no additional updates are available.

Multidimensional Poverty Index (MPI)

MPI based on the Alkire-Foster (AF) methodology, captures overlapping deprivations in health, education, and living standards.

The national MPI model retains the ten indicators of the global MPI model, staying closely aligned to the global methodology. It also adds two indicators, viz., Maternal Health and Bank Accounts in line with national priorities.

Like the global MPI, India's national MPI has three equally weighted dimensions – Health, Education, and Standard of living – which are represented by 12 indicators.

The indices of the national MPI comprise:

i) Headcount ratio (H): How many are poor?
Proportion of multidimensionally poor in the population, which is arrived at by dividing number of multidimensionally poor persons by total population.

ii) Intensity of poverty (A): How poor are the poor?
Average proportion of deprivations which is experienced by multidimensionally poor individuals. To compute intensity, the weighted deprivation scores of all poor people are summed and then divided by the total number of poor people.

MPI value is arrived at by multiplying the headcount ratio (H) and the intensity of poverty (A), reflecting both the share of people in poverty and the degree to which they are deprived.

MPI = H x A

2.3 Methodology for scoring of States and UTs

All States/ UTs are scored on each sub-indicator, as per following methodology:

STEP 1 - Data collection, verification and validation

- Collection of publicly available information from the reports/ websites/ data portals of Ministries, Government Nodal Agencies, Regulatory Commissions and Energy Development Agencies.

STEP 2 – Data re-scaling and normalization

- **Data Re-scaling:** The data of various States/ UTs are compared amongst each other using a normalization approach (as discussed in the next para). To allow for normalization, all data points are first converted into a positive scale by adding the absolute value of the most negative data for a sub-indicator, to all its data points.

- **Data normalization:** Normalization is a scaling technique in which values (rescaled, if required) are converted into a range between 0 and 1. As each sub-indicator may have different measurement units, normalization is done to make data from various sub-indicators comparable. Otherwise, a variable that has relatively less variance but is measured on a larger scale as compared to other variables may appear to have much greater variation than it actually does. The formula used for normalization is as follows:

$$X' = \frac{X - X_{min}}{X_{max} - X_{min}}$$

Where,

X' is the normalized data

X is the data of State/UT that is to be normalized

X_{max} and X_{min} are the maximum and the minimum values of the sub-indicator, across States/ UTs, respectively

The normalization technique works as follows:

  - When the value of X is the minimum value in the column, the numerator will be 0, and hence X' will be 0

  - On the other hand, when the value of X is the maximum value in the column, the numerator is equal to the denominator and thus the value of X' will be 1

  - If the value of X is between the minimum and the maximum value, then the value of X' will be between 0 and 1

The data of States and UTs are evaluated separately i.e. data of a State is compared against other States only while Data of a UTs is compared against other UTs only.

- **Adjustment for inverse indicators:** For some of the parameters, a lower score indicates a better performance. For instance, AT&C loss, Average Cost of Supply etc. For such parameters, the normalized scores are inverted by subtracting them from 1.

STEP 3 – Scoring and ranking

- **Calculation of sub-indicator scores:** Normalized and adjusted data of each State/UT is multiplied by their corresponding weightage, to calculate score of each State/UT on each sub-indicator.

- **Aggregation of dimension and indicator scores:** For each State/UT, the scores obtained for individual sub-indicators for each state/UT are aggregated into scores, first for each indicator and then across each dimension.

- **Ranking:** The ranking of states is determined by sorting the scores from highest to lowest – highest score getting rank 1, second highest score getting rank 2 and so on. States and UTs are ranked separately.

Diversity of Electricity Installed Capacity

The sub-indicator of 'Diversity of Electricity Installed Capacity' for a State/ UT is measured using Energy Mix Concentration Index (EMCI). EMCI is derived from Herfindahl–Hirschman index (HHI) which is commonly applied to measure market concentration analysis. The formula used for EMCI Index is as follows:

$$= \left(\left(\frac{-a}{x+y}\right) * LN\left(\frac{a}{x+y}\right)\right) + \left(\left(\frac{-b}{x+y}\right) * LN\left(\frac{b}{x+y}\right)\right) + \left(\left(\frac{-c}{x+y}\right) * LN\left(\frac{c}{x+y}\right)\right) + \left(\left(\frac{-d}{x+y}\right) * LN\left(\frac{d}{x+y}\right)\right) + \cdots + n \Big) \Big/ LN(n)$$

Where, *a, b, c, d* represents the share of the electricity from different sources, 'n' represents the no. of electricity sources and 'x+y' is the total installed capacity. Smaller values of the index indicates less diversification, with 0 being the least diversified and 1 being the highest diversified.

3. Energy Trilemma Index Results

3.1 Overall scores and rankings

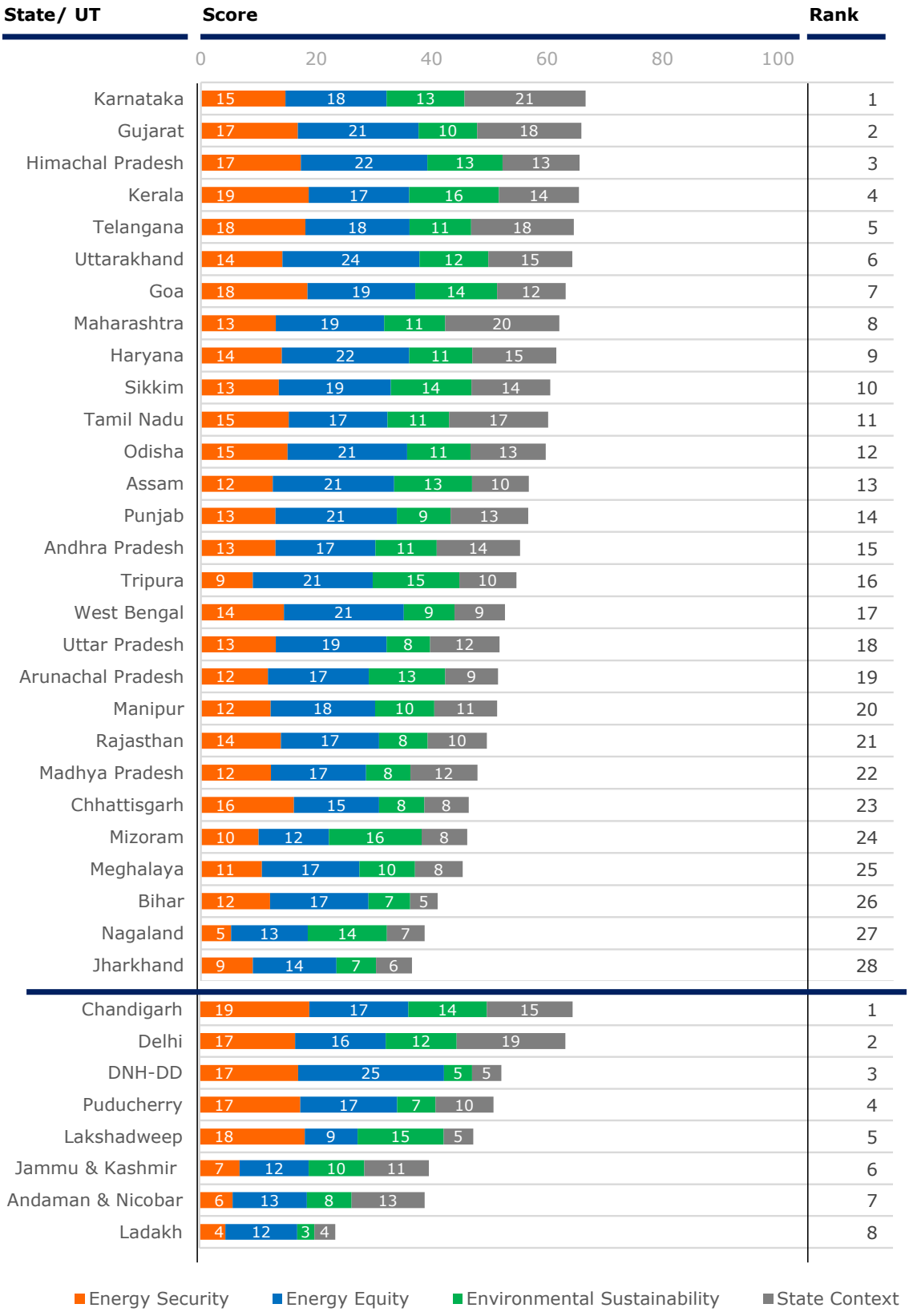
Scores/ rank obtained by State/UTs on National Energy Trilemma Index are as follows:

Table 5: Overall scores and ranks obtained by States/ UTs

State	Score 2023	Rank 2023	Score 2022	Rank 2022
Karnataka	66.63	1	65.65	3
Gujarat	65.89	2	66.54	2
Himachal Pradesh	65.62	3	63.12	5
Kerala	65.51	4	67.37	1
Telangana	64.59	5	58.58	10
Uttarakhand	64.32	6	62.30	8
Goa	63.17	7	63.62	4
Maharashtra	62.11	8	62.71	6
Haryana	61.57	9	62.52	7
Sikkim	60.55	10	57.97	12
Tamil Nadu	60.17	11	60.59	9
Odisha	59.75	12	55.77	14
Assam	56.80	13	53.47	16
Punjab	56.69	14	56.82	13
Andhra Pradesh	55.27	15	54.02	15
Tripura	54.66	16	52.12	18
West Bengal	52.66	17	53.40	17
Uttar Pradesh	51.73	18	48.94	20
Arunachal Pradesh	51.47	19	44.77	24
Manipur	51.30	20	49.96	19
Rajasthan	49.54	21	47.63	21
Madhya Pradesh	47.91	22	47.06	22
Chhattisgarh	46.40	23	46.92	23
Mizoram	46.15	24	58.13	11
Meghalaya	45.34	25	42.36	25
Bihar	41.01	26	41.15	26
Nagaland	38.76	27	40.27	27
Jharkhand	36.55	28	37.15	28
Union Territories	**Score 2023**	**Rank 2023**	**Score 2022**	**Rank 2022**
Chandigarh	64.55	1	63.95	2
Delhi	63.28	2	65.82	1
DNH-DD	52.20	3	57.16	3
Puducherry	50.86	4	55.04	4
Lakshadweep	47.37	5	44.60	6
Jammu & Kashmir	39.68	6	37.73	7
Andaman & Nicobar	38.96	7	45.18	5
Ladakh	23.48	8	36.01	8

The overall performance of the States/ UTs in ascending order of the Rankings, with dimension-wise scores on National Energy Trilemma Index 3rd edition (2023) is as follows:

Figure 3: Overall scores and ranks obtained by States/ UTs



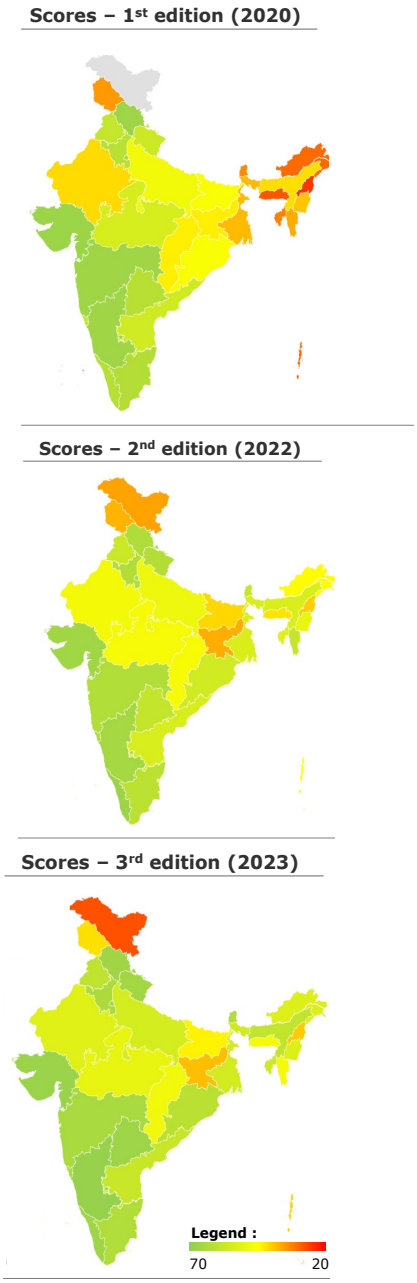
Comparison with previous editions of National Energy Trilemma Index

Heat-maps are shown to compare the state wise scores of National Energy Trilemma Index from previous editions to 3rd edition (2023). It is observed that Southern and Western states have maintained better scores in both 1st, 2nd and 3rd editions of National Energy Trilemma Index. North-eastern states have shown improvement in scores from the 1st and 2nd editions of National Energy Trilemma Index.

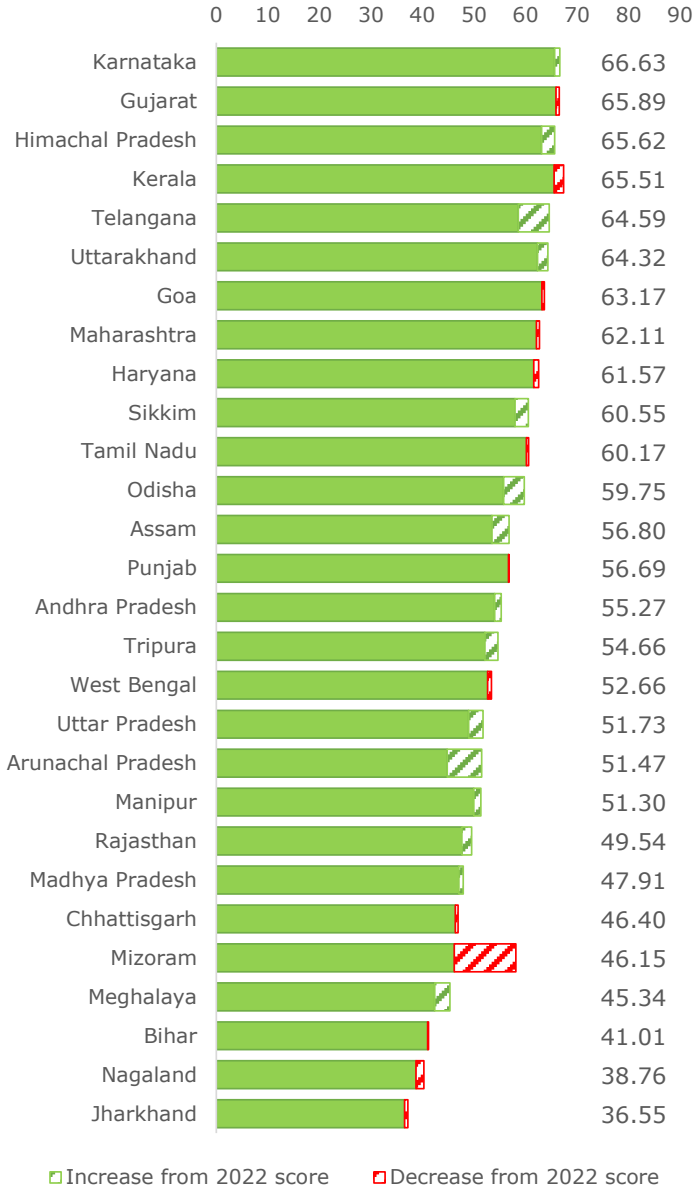
Further the bar-graph, shows the change in state wise scores of National Energy Trilemma Index from 2nd edition (2022) to 3rd edition (2023). The states have been sorted in descending order of their scores in 3rd edition (2023).

Figure 4: Comparison with previous editions of National Energy Trilemma Index

Heat map of 1st, 2nd and 3rd edition scores



Changes in scores from 2nd edition



The following table presents a snapshot of key contributors to the scores of top 5 states on National Energy Trilemma Index 2nd edition (2023) scores:

Table 6: Snapshot of top 5 States

State	Karnataka Rank: 1 | Score: 66.63	Gujarat Rank: 2 | Score: 65.89	Himachal Pradesh Rank: 3 | Score: 65.62	Kerala Rank: 4 | Score: 65.61	Telangana Rank: 5 | Score: 64.59
Energy Security	Rank: 9 | Score: 14.67 • **RE Share:** 53.09% in installed capacity • **Per capita electricity 'consumption,** more than National average	Rank: 5 | Score: 16.77 • **RE Share:** 42.33% in installed capacity • **AT&C Loss:** 11.56% • **ACS-ARR Gap:** -0.07 Rs./Unit	Rank: 4 | Score: 17.34 • **AT&C Loss:** 14.02% • **ACS-ARR Gap:** Rs. 0.11 per unit • **Elec. supply to agriculture:** 24 hrs	Rank: 1 | Score: 18.67 • **AT&C Loss:** 7.80% • **ACS-ARR Gap:** 0.18 Rs./Unit • **Elec. supply to agriculture:** 24 hrs	Rank: 3 | Score: 18.10 • **AT&C Loss:** 13.33% • **Elec. Consumption per capita:** 2126 kWh • **Elec. supply to agriculture:** 24 hrs
Energy Equity	Rank: 16 | Score:17.52 • **Petrol Price:** High (Rs.101.94/litre) • **High tariff subsidy:** 29% of total revenue • **ACS: High** (Rs.7.14/ Unit)	Rank: 6 | Score: 20.95 • **Payables days for power purchase:** 0 days • **Overdues/Cost of power:** 0.01	Rank: 3 | Score: 21.91 • **LPG + PNG connections against no. of HHs:** High • **Overdues/Cost of power:** 0.04	Rank: 17 | Score:17.43 • **LPG Price:** High (Rs.1,112/Cylinder) • **Petrol Price:** High (Rs.109.73/litre)	Rank: 15 | Score:18.07 • **ACS:** High - Rs. 6.46/ unit • **Payables for power purchase:** High (297 days) • **Petrol Price:** High (Rs.109.66/litre)
Environmental Sustainability	Rank: 8 | Score: 13.48 • **Energy Efficiency Score:** Highest in the country • **RE Capacity/ potential:** High	Rank:19 | Score:10.14 • **Forest cover:** Low – 7.61% • **RE Capacity/ potential:** Low	Rank: 10 | Score:13.02 • **CO2 saved from LED Bulbs per 1000 population:** Highest – 121.82 tonnes • **EV Penetration:** Low	Rank: 2 | Score: 15.52 • **Energy Efficiency:** high score by BEE • **RE Capacity/ potential:** High	Rank: 15 | Score:10.65 • **CO2 saved from LED Bulbs per 1000 population:** Low • **Emission intensity:** Low
State Context	Rank: 1 | Score: 20.96 • **Start up Index:** Highest in country • **Good Governance and SDG Index:** High	Rank: 3 | Score: 18.03 • **Good Governance and Start up Index:** Highest in the country	Rank: 12 | Score:13.35 • **Good Governance and SDG Index:** High • **Investment Opportunities:** Low	Rank: 9 | Score: 13.89 • **SDG Index:** highest score in country • **Investment opportunity** is lower as compared to other state	Rank: 4 | Score: 17.77 • **Growth rate of GSDP:** High • **Innovation Index:** High

*Green colour represents for good performance and red colour represents for poor performance

3.2 Performance across dimensions

Energy Security

The Energy Security dimension highlights the importance of strong energy policies to make the most of energy resources while diversifying and decarbonizing energy systems. It assesses the extent to which a State/ UT's energy supply (especially electricity) is secure, accessible and diversified.

Table 7: Top performers and improvers on Energy Security dimension

Top 5 PERFORMERS

States/ UTs with highest overall scores

Rank	State
1	Kerala
2	Goa
3	Telangana
4	Himachal Pradesh
5	Gujarat

Rank	Union Territory
1	Chandigarh
2	Lakshadweep
3	Puducherry
4	DNH-DD
5	Delhi

Top 5 IMPROVERS

States/ UTs with highest improvement

Score 2023	Score 2022	Change	State
11.64	9.04	2.60	Arunachal Prad.
18.47	16.61	1.86	Goa
18.67	16.90	1.77	Kerala
10.58	8.83	1.75	Meghalaya
18.10	16.57	1.53	Telangana

Score 2023	Score 2022	Change	UT
18.21	16.27	1.93	Lakshadweep
19.02	18.42	0.60	Chandigarh
17.41	16.89	0.52	Puducherry
6.93	6.70	0.23	Jammu & Kashmir
-	-	-	-

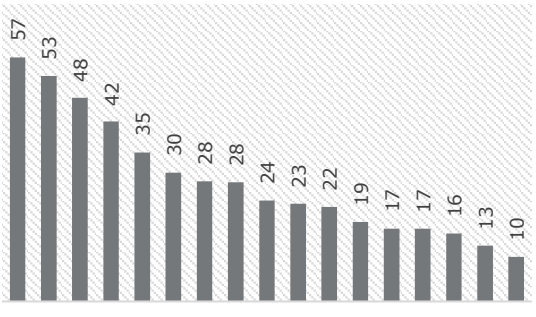
Note – Dimension wise scores are out of 25; Only four UTs show improvement from previous edition.

Electricity Diversity and Power Supply Position

Parameters in Electricity Diversity and Power Supply Position play a pivotal role in showcasing the State/ UT's transition towards renewable energy targets, 2030. This indicator has 7 sub-indicators focusing on growth in electricity generation installed capacity, Renewable share in installed capacity and energy deficit in state.

RE rich states like Rajasthan, Karnataka, Tamil Nadu, Gujarat and Andhra Pradesh, have more than 30% share of Renewable Energy in their total installed capacity.

Figure 5: RE share in installed capacity (%)

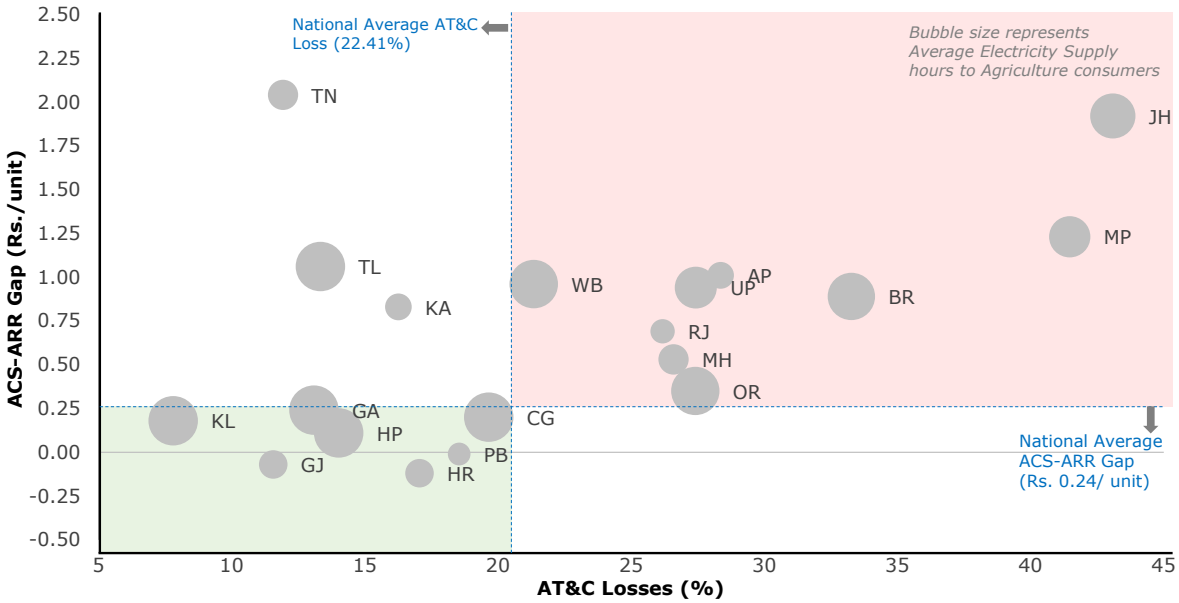


Source: CEA executive summary report (Mar-23)

Viability of Energy/ Electricity Systems

The indicator 'Viability of Energy/ Electricity Systems' looks at sub-indicators showing the performance of DISCOMs in the State/ UT on parameters of AT&C Losses, ACS-ARR Gap and average hours of supply to agricultural consumers.

Figure 6: Bubble chart, comparing AT&C losses, ACS-ARR Gap and Average Supply hours (Agricultural)



Source: AT&C losses and ACS-ARR gap as per PFC Report on performance of power utilities for FY2020-21; Data for Supply hours to Agricultural consumers as per CEA executive summary report Mar-23

The graph of AT&C Losses vs ACS-ARR gap shows that many States such as Rajasthan, Jharkhand and Bihar continue to have high losses both in energy and commercial terms.

Scores of all the States on the various indicators along with their respective rankings, for Energy Security dimension is as follows:

Table 8: Scores and ranks obtained by States on Energy Security dimension

State	Electricity Diversity and Power Supply Position	Viability of Energy/ Electricity Systems in the State	Dimension Score	Rank 2023
Kerala	5.87	12.80	18.67	1
Goa	5.60	12.87	18.47	2
Telangana	6.28	11.82	18.10	3
Himachal Pradesh	5.19	12.15	17.34	4
Gujarat	7.61	9.16	16.77	5
Chhattisgarh	4.65	11.45	16.10	6
Tamil Nadu	7.29	7.92	15.21	7
Odisha	4.77	10.27	15.04	8
Karnataka	6.85	7.82	14.67	9
West Bengal	3.54	10.86	14.40	10
Uttarakhand	5.79	8.33	14.12	11
Haryana	5.15	8.85	14.00	12

State	Electricity Diversity and Power Supply Position	Viability of Energy/ Electricity Systems in the State	Dimension Score	Rank 2023
Rajasthan	7.35	6.54	13.89	13
Sikkim	5.56	7.93	13.49	14
Uttar Pradesh	4.34	8.66	13.00	15
Maharashtra	5.69	7.28	12.97	16
Andhra Pradesh	6.46	6.46	12.92	17
Punjab	5.19	7.72	12.91	18
Assam	4.50	7.94	12.44	19
Madhya Pradesh	5.23	6.89	12.12	20
Manipur	4.33	7.77	12.10	21
Bihar	2.95	9.03	11.98	22
Arunachal Pradesh	7.31	4.33	11.64	23
Meghalaya	4.03	6.55	10.58	24
Mizoram	6.35	3.66	10.01	25
Tripura	3.18	5.83	9.01	26
Jharkhand	1.96	7.02	8.98	27
Nagaland	4.33	0.88	5.21	28

Scores of all the UTs on the various indicators along with their respective rankings, for Energy Security dimension is as follows:

Table 9: Scores and ranks obtained by UTs on Energy Security dimension.

Union Territory	Electricity Diversity and Power Supply Position	Viability of Energy/ Electricity Systems in the State	Dimension Score	Rank 2023
Chandigarh	6.16	12.86	19.02	1
Lakshadweep	10.33	7.88	18.21	2
Puducherry	5.25	12.17	17.41	3
DNH-DD	6.13	10.92	17.05	4
Delhi	3.92	12.63	16.55	5
Jammu & Kashmir	2.96	3.97	6.93	6
Andaman & Nicobar	4.91	0.79	5.70	7
Ladakh	4.49	0.00	4.49	8

Energy Equity

The Energy Equity dimension measures the ability of States/ UTs to provide people with access to energy at affordable prices – including the role of subsidies (direct and indirect) on affordability. Further sub-indicators related to financial performance of power utilities in the State/ UT are also assessed in this dimension.

Table 10: Top performers and improvers on Energy Equity dimension

Top 5 PERFORMERS

States/ UTs with highest overall scores

Rank	State
1	Uttarakhand
2	Haryana
3	Himachal Pradesh
4	Assam
5	Punjab

Rank	Union Territory
1	DNH-DD
2	Chandigarh
3	Puducherry
4	Delhi
5	Andaman & Nicobar

Top 5 IMPROVERS

States/ UTs with highest improvement

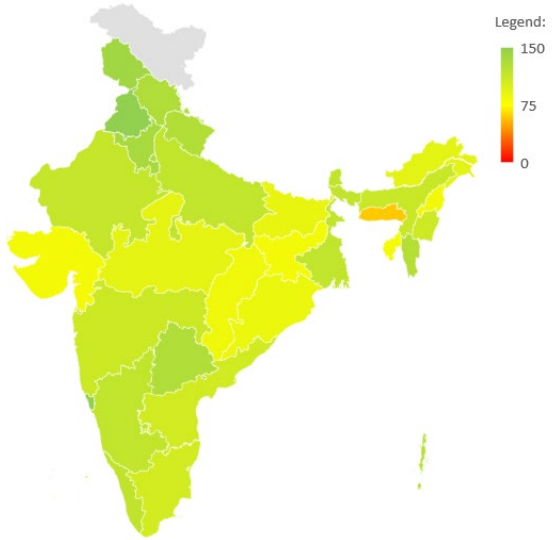
Score 2023	Score 2022	Change	State
19.15	15.68	3.47	Uttar Pradesh
18.07	14.70	3.37	Telangana
18.78	15.82	2.96	Maharashtra
23.78	21.09	2.69	Uttarakhand
21.06	18.63	2.43	Andhra Pradesh

Score 2023	Score 2022	Change	UT
25.26	21.02	4.25	DNH-DD
17.09	16.63	0.46	Chandigarh
-	-	-	-
-	-	-	-
-	-	-	-

Note – Dimension wise scores are out of 25; Only two UTs show improvement from previous edition.

Energy Access

Figure 7: LPG and PNG connections as % of Households



Parameters in Energy Access are important for the consumers as it focuses on the ease of access to amenities like electricity and gas. This indicator is based on sub-indicators including percentage of households which have access to electricity, LPG and PNG.

With 100 percent access to electricity in most of the states, score/ranks are majorly dependent on percentage of LPG+PNG Connections against number of Households.

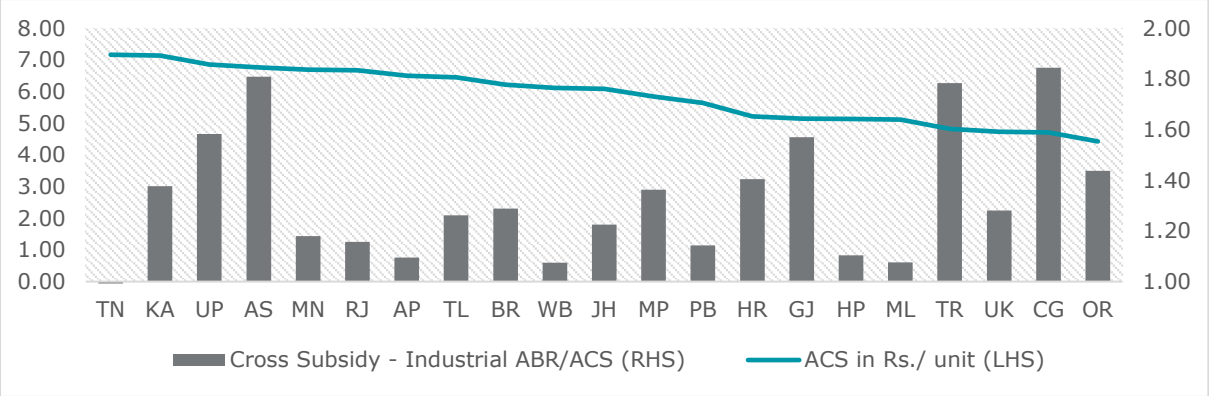
Source: PPAC ready reckoner, June 2023

Affordability

The indicator 'Affordability' has five sub-indicators majorly highlighting the cost of electricity and fuels (LPG, Petrol and Diesel) that a consumer is required to pay.

The following graph depicts the Average Cost of Power (ACS) across States, with the level of cross subsidy in electricity tariff i.e. Average Billing Rate (ABR) for industrial consumers divided by the cost of supplying them (ACS). Even after mandates under Tariff Policy 2016 and Electricity Act 2003 to reduce cross subsidies, many States continue to have high level of cross subsidies, indicating excess burden on Industrial consumers.

Figure 8: State wise Average Cost of Power and Cross Subsidy

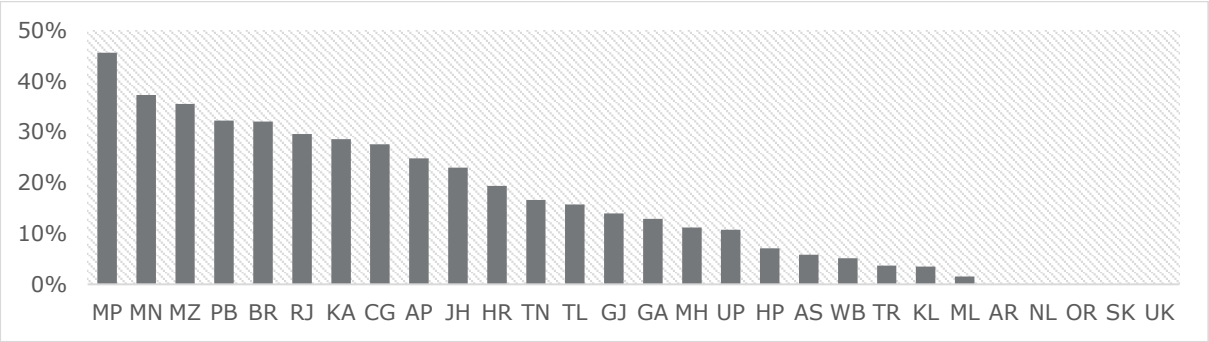


Source: PFC report on performance of power utilities, FY2020-21

Performance of power utilities

Power DISCOMs are the primary and major source of cash inflow into the power sector. Losses due to poor operational performance and dependence on Government subsidies are key risks to DISCOM revenues. In most of the States, a significant portion of DISCOM revenue is funded by Government Subsidies. Further significant delays occur in receiving this subsidy amount from the Government, evident from high outstanding subsidy amount to be received by DISCOMs.

Figure 9: Subsidy Dependence: Tariff subsidy billed as % Total Revenue of DISCOMs



Source: PFC report on performance of power utilities, FY2020-21

Delay in receiving subsidies from Government in turn hampers ability of DISCOMs to pay power generators on time, leading to overdue for power purchase. This leads to an overall cashflow issues for the entire power sector.

Outstanding Government subsidies and accumulating losses may lead to chronic indebtedness for DISCOMs. Hence the financial performance of DISCOMs, is of great importance to overall power sector.

Scores of all the States on the various indicators along with their respective rankings, for Energy Equity dimension is as follows:

Table 11: Scores and ranks obtained by States on Energy Equity dimension

State	Energy Access	Affordability	Performance of Utilities	Dimension Score	Rank 2023
Uttarakhand	4.44	9.18	10.16	23.78	1
Haryana	4.64	8.61	8.86	22.11	2
Himachal Pradesh	4.23	8.66	9.02	21.91	3
Assam	3.99	7.39	9.68	21.06	4
Punjab	4.81	8.36	7.85	21.02	5
Gujarat	3.59	8.17	9.19	20.95	6
West Bengal	4.06	7.61	9.10	20.77	7
Tripura	3.33	7.77	9.65	20.75	8
Odisha	3.23	8.18	9.26	20.67	9
Sikkim	4.66	6.01	8.75	19.42	10
Uttar Pradesh	4.01	7.24	7.90	19.15	11
Maharashtra	4.01	7.26	7.51	18.78	12
Goa	5.29	6.28	7.12	18.69	13
Manipur	3.89	7.06	7.13	18.08	14
Telangana	4.35	6.56	7.16	18.07	15
Karnataka	3.99	7.24	6.29	17.52	16
Kerala	3.95	4.14	9.34	17.43	17
Kerala	3.95	4.14	9.34	17.43	17
Andhra Pradesh	3.79	6.53	6.98	17.30	19
Tamil Nadu	3.65	7.05	6.41	17.11	20
Bihar	3.28	6.61	7.15	17.04	21
Rajasthan	3.91	6.96	6.08	16.95	22
Meghalaya	2.60	8.97	5.29	16.86	23
Madhya Pradesh	3.42	7.44	5.64	16.50	24
Chhattisgarh	0.65	7.49	6.63	14.77	25
Jharkhand	3.21	7.55	3.73	14.49	26
Nagaland	3.43	4.67	5.23	13.33	27
Mizoram	4.73	2.17	5.26	12.16	28

Scores of all the UTs on the various indicators along with their respective rankings, for Energy Equity dimension is as follows:

Table 12: Scores and ranks obtained by UTs on Energy Equity dimension

Union Territory	Energy Access	Affordability	Performance of Utilities	Dimension Score	Rank 2023
DNH-DD	3.05	10.21	12.01	25.26	1
Chandigarh	3.11	6.23	7.76	17.09	2
Puducherry	3.05	5.88	7.86	16.79	3
Delhi	4.32	4.87	6.46	15.66	4
Andaman & Nicobar	3.91	3.13	5.85	12.90	5
Ladakh	8.26	0.11	4.04	12.41	6
Jammu & Kashmir	4.15	5.42	2.41	11.98	7
Lakshadweep	3.94	1.13	4.10	9.17	8

Environmental Sustainability

The Environmental Sustainability dimension assesses the efforts being undertaken by States/UTs to decarbonize and diversify energy systems. It assesses transition of a State/ UT's energy system towards mitigating and avoiding potential environmental harm and climate change impacts. The dimension focuses on productivity and efficiency of generation, transmission, and distribution, decarbonization, and air quality.

Table 13: Top performers and improvers on Environmental Sustainability dimension

Top 5 PERFORMERS

States/ UTs with highest overall scores

Rank	State
1	Mizoram
2	Kerala
3	Tripura
4	Goa
5	Sikkim

Top 5 IMPROVERS

States/ UTs with highest improvement

Score 2023	Score 2022	Change	State
13.26	12.65	0.61	Arunachal Prad.
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

Rank	Union Territory
1	Lakshadweep
2	Chandigarh
3	Delhi
4	Jammu & Kashmir
5	Andaman & Nicobar

Score 2023	Score 2022	Change	UT
14.84	14.50	0.34	Lakshadweep
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

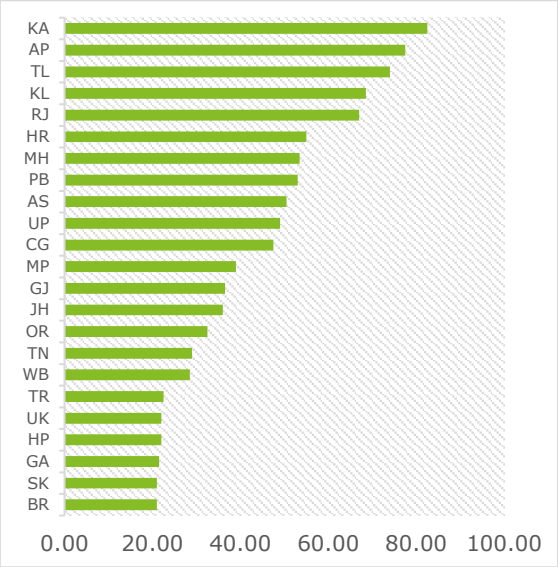
Note – Dimension wise scores are out of 25; Only one State and one UT show improvement from previous edition.

Energy Resource Productivity

Energy efficiency enables the same quality of service while reducing energy demand, which can then be met by renewable energy. It falls upon each State/UT to take the green recovery path best suited to and aligned with the State/ UT's own socio-economic development goals. Transition towards energy system that mitigate and avoid potential environmental harm is the need of the hour. Accordingly in this dimension, Sub-indicators focusing on Energy Efficiency, clean energy and energy intensity of the state are included.

Karnataka, Kerala and Telangana are the top states on the indicator of Energy Resource Productivity, owing to their better Energy Efficiency Scores (as per BEE State Energy Efficiency Index 2021-22), lower energy intensity and higher Renewable installed capacity as % of their total Renewable potential.

Figure 10: Energy Efficiency Score (BEE)



Source: BEE, State Energy Efficiency Index 2021-22

Decarbonization

In line with the central governments mission to reach net-zero emission by 2070, Decarbonization will be consequential for the planet's fight against climate change. India stands at a critical juncture, where it has a tremendous opportunity to choose developmental pathways that rely on lower-emissions technologies.

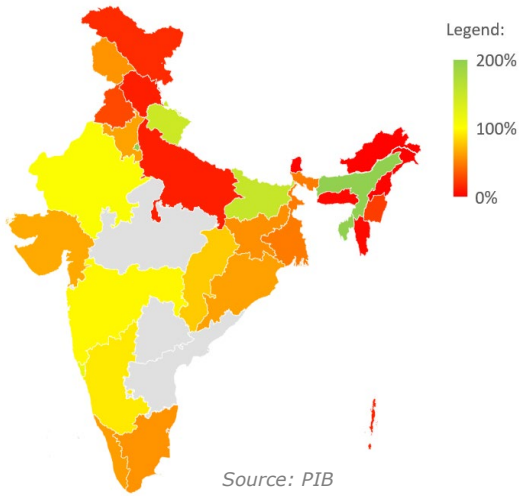
Decarbonization indicator is assessed based on sub-indicators including the efforts made towards CO2 saved from LED Bulbs under Government of India's Ujala scheme and percentage of forest cover with respect to total area of the State.

North-Eastern states and smaller/ hilly states like Himachal Pradesh, Goa perform better on this indicator owing to their high forest cover. States of Himachal Pradesh, Odisha, Goa, Gujarat and Mizoram have ranked in top 5 on the sub-indicator for CO2 saved from LED bulbs in Ujala scheme.

Emission and Pollution

Scores of all the States on the various indicators along with their respective rankings, for

Figure 11: EV Penetration – Heat map



Source: PIB

Emission intensity is the volume of emissions per unit of GDP. The heat map shows a comparitive assessment of State wise Emission Intensity on a geographical map.

Transport sector is a major contributor to carbon emissions in India and therefore Electric Vehicle (EV) penetration is of utmost importance to help India reduce its emissions. Accordingly, apart from assessing the output based sub-indicators for Emission Intensity and Air Quality Index (AQI), state wise EV penetration is also assessed as part of this indicator.

Note: Total vehicle data of Andhra Pradesh, Madhya Pradesh, Telangana, and Lakshadweep is not available

Environmental Sustainability dimension is as follows:

Table 14: Scores and ranks obtained by States on Environmental Sustainability dimension

State	Energy Resource Productivity	Decarbonization	Emissions and Pollution	Dimension Score	Rank 2023
Mizoram	3.19	7.20	5.69	16.08	1
Kerala	5.92	4.37	5.23	15.52	2
Tripura	3.75	4.90	6.35	15.00	3
Goa	2.50	5.87	5.77	14.14	4
Sikkim	4.31	3.74	5.90	13.95	5
Nagaland	2.69	6.28	4.73	13.70	6
Assam	4.26	2.50	6.73	13.49	7
Karnataka	6.04	2.15	5.29	13.48	8
Arunachal Pradesh	2.40	5.84	5.02	13.26	9
Himachal Pradesh	2.67	5.84	4.51	13.02	10
Uttarakhand	3.36	4.26	4.26	11.88	11
Odisha	1.93	6.04	3.06	11.03	12
Haryana	5.42	1.94	3.55	10.91	13
Tamil Nadu	4.83	0.93	4.91	10.67	14
Telangana	5.71	0.95	3.99	10.65	15
Andhra Pradesh	4.11	2.32	4.19	10.62	16
Maharashtra	4.65	1.20	4.70	10.55	17
Manipur	2.03	4.25	4.00	10.28	18

State	Energy Resource Productivity	Decarbonization	Emissions and Pollution	Dimension Score	Rank 2023
Gujarat	3.58	2.36	4.20	10.14	19
Meghalaya	0.69	4.50	4.45	9.64	20
Punjab	5.26	0.17	3.88	9.31	21
West Bengal	3.74	1.03	3.99	8.76	22
Rajasthan	3.92	0.71	3.81	8.44	23
Chhattisgarh	2.33	3.32	2.20	7.85	24
Madhya Pradesh	2.90	1.83	2.97	7.70	25
Uttar Pradesh	4.18	0.36	3.03	7.57	26
Bihar	2.28	0.63	4.33	7.24	27
Jharkhand	2.14	2.72	2.02	6.88	28

Scores of all the UTs on the various indicators along with their respective rankings, for Environmental Sustainability dimension is as follows:

Table 15: Scores and ranks obtained by UTs on Environmental Sustainability dimension.

Union Territory	Energy Resource Productivity	Decarbonization	Emissions and Pollution	Dimension Score	Rank 2023
Lakshadweep	0.67	14.17	0.00	14.84	1
Chandigarh	8.02	1.37	4.21	13.60	2
Delhi	6.04	1.25	5.00	12.29	3
Jammu & Kashmir	2.66	2.83	4.11	9.59	4
Andaman & Nicobar	1.45	6.24	0.00	7.69	5
Puducherry	2.53	0.74	3.36	6.63	6
DNH-DD	0.78	2.25	1.81	4.84	7
Ladakh	0.00	1.47	1.54	3.01	8

State Context

State Context focuses on elements that enable states to develop and implement energy policy effectively and achieve energy goals. The dimension describes the underlying macroeconomic and governance conditions, reports on the strength and stability of the economy, State/ UT's attractiveness to investors and capacity for innovation. It assesses state's ability to deliver on investments, regulations & governance, stability of institutions & innovation parameters.

Table 16: Top performers and improvers on State Context dimension

Top 5 PERFORMERS

States/ UTs with highest overall scores

Rank	State
1	Karnataka
2	Maharashtra
3	Gujarat
4	Telangana
5	Tamil Nadu

Rank	Union Territory
1	Delhi
2	Chandigarh
3	Andaman & Nicobar
4	Jammu & Kashmir
5	Puducherry

Top 5 IMPROVERS

States/ UTs with highest improvement

Score 2023	Score 2022	Change	State
13.35	10.67	2.68	Himachal Prad.
9.14	6.76	2.38	Arunachal Prad.
14.43	12.09	2.34	Andhra Pradesh
17.77	15.56	2.21	Telangana
10.84	8.91	1.93	Manipur

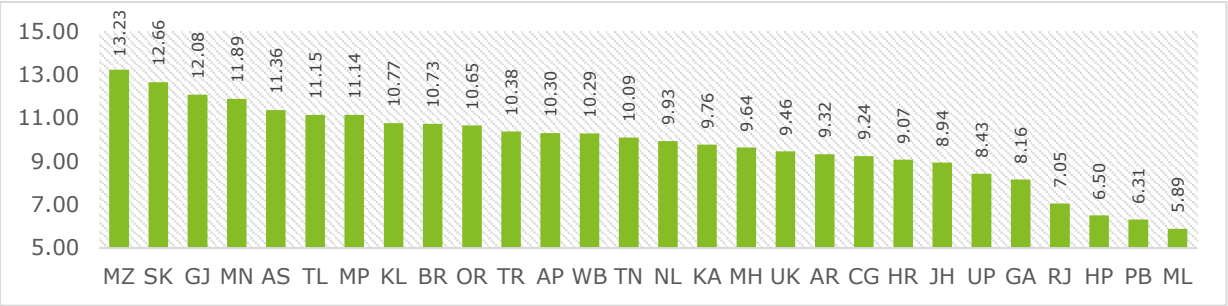
Score 2023	Score 2022	Change	UT
11.17	7.93	3.25	Jammu & Kash.
5.15	2.10	3.05	Lakshadweep
3.57	1.05	2.52	Ladakh
12.67	10.20	2.47	Andaman & Nic.
10.04	9.25	0.79	Puducherry

Note – Dimension wise scores are out of 25

Macroeconomic Environment

Macroeconomic environment, measured through sub-indicators like GSDP growth rate, and FDI inflows, provides an overall understanding of the economy in the state. The following chart compares States/ UTs wise GSDP growth rates (at current prices, 5 year CAGR) figures:

Figure 12: GSDP Growth Rate (Current Prices, 5 Year CAGR)



Source: Figures for FY2021-22 (for FY2020-21, where FY2021-22 not available) as per RBI, Handbook of Statistics for Indian States

Regulations, Institutions & Governance

Adequate regulations and governance, through strong and independent institutions, are necessary for proper functioning of economies and societies. They are essential to create a suitable environment to support economic growth. To measure this indicator, sub-indicators including performance on Multidimensional Poverty Index, Good Governance Index along with performance over Sustainable Development Goals are used.

Table 17: Top States on MPI, Governance and SDG sub-indicators

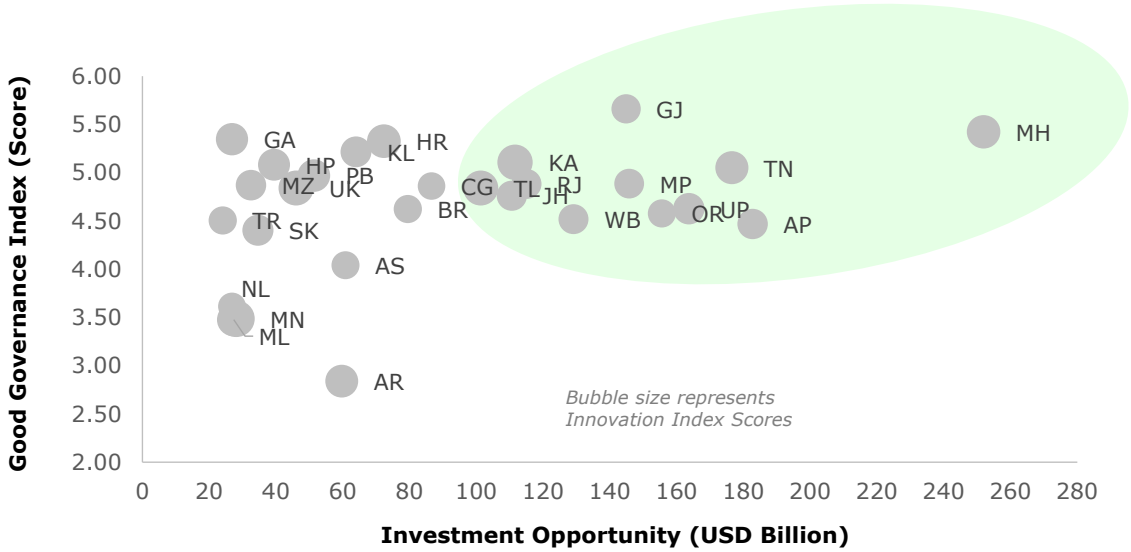
Multidimensional Poverty Index (MPI)	Good Governance Index	Sustainable Development Goals (SDG) Index, Score
Top 5 States 1. Kerala 2. Goa 3. Tamil Nadu 4. Sikkim 5. Himachal Pradesh	**Top 5 States** 1. Gujarat 2. Maharashtra 3. Goa 4. Haryana 5. Kerala	**Top 5 States** 1. Kerala 2. Himachal Pradesh & Tamil Nadu 3. Goa, Kerala, Uttarakhand & Andhra Pradesh 4. Sikkim 5. Madhya Pradesh
Source: NITI Aayog	*Source: DoARPG*	*Source: NITI Aayog*

Stability for Investment & Innovation

India being the 5th largest economy in the world, is opening new corridors of innovation and related investments. Over the last decade, the Government has been encouraging firms to come up with innovations in product manufacturing and services. The Government has also announced Production Linked Incentive (PLI) schemes in 14 sectors including automobiles, pharma, electronics, food products etc. to promote manufacturing activity.

The States towards top right corner of the following graph, highlighted in green, have showcased better governance scores with higher potential for investments.

Figure 13: Bubble chart comparing governance scores, investment opportunity and innovation scores



Source: Good Governance Index Score as per DoARPG; Investment Opportunity as per Investment India Grid (IIG) (As on 30-Nov-2023)
Innovation Index Score as per NITI Aayog

Scores of all the States on the various indicators along with their respective rankings, for State Context dimension is as follows:

Table 18: Scores and ranks obtained by States on State Context dimension

Union Territory	Macroeconomic Environment	Regulations, Institutions & Governance	Stability for Investment & Innovation	Dimension Score	Rank 2023
Karnataka	8.03	6.65	6.28	20.96	1
Maharashtra	6.29	6.70	6.82	19.81	2
Gujarat	6.85	6.61	4.57	18.03	3
Telangana	5.39	6.19	6.19	17.77	4
Tamil Nadu	4.03	7.13	6.02	17.18	5
Haryana	2.61	6.43	5.51	14.55	6
Uttarakhand	2.22	6.50	5.82	14.54	7
Andhra Pradesh	2.92	6.17	5.34	14.43	8
Kerala	3.55	7.53	2.81	13.89	9
Sikkim	3.46	7.13	3.10	13.69	10
Punjab	2.53	6.12	4.80	13.45	11
Himachal Pradesh	1.88	7.03	4.44	13.35	12
Odisha	4.54	4.16	4.31	13.01	13
Uttar Pradesh	2.95	3.67	5.39	12.01	14
Goa	2.67	7.68	1.52	11.87	15
Madhya Pradesh	3.86	4.46	3.27	11.59	16
Manipur	3.67	4.01	3.16	10.84	17
Rajasthan	2.86	4.42	2.98	10.26	18
Tripura	3.19	4.98	1.73	9.90	19
Assam	3.24	2.99	3.58	9.81	20
Arunachal Pradesh	4.45	2.57	2.12	9.14	21
West Bengal	2.42	4.62	1.69	8.73	22
Meghalaya	4.21	2.15	1.90	8.26	23
Mizoram	0.00	6.82	1.08	7.90	24
Chhattisgarh	2.67	4.46	0.55	7.68	25
Nagaland	2.96	3.52	0.04	6.52	26
Jharkhand	1.61	3.02	1.57	6.20	27
Bihar	2.15	1.90	0.70	4.75	28

Scores of all the UTs on the various indicators along with their respective rankings, for State Context dimension is as follows:

Table 19: Scores and ranks obtained by UTs on State Context dimension

Union Territory	Macroeconomic Environment	Regulations, Institutions & Governance	Stability for Investment & Innovation	Dimension Score	Rank 2023
Delhi	5.45	5.45	7.88	18.78	1
Chandigarh	1.68	6.74	6.42	14.84	2
Andaman & Nicobar	5.85	4.83	1.99	12.67	3
Jammu & Kashmir	5.32	3.63	2.21	11.17	4
Puducherry	1.07	5.84	3.13	10.04	5
Lakshadweep	0.00	4.73	0.42	5.15	6
DNH-DD	1.27	1.97	1.81	5.05	7
Ladakh	0.00	3.37	0.20	3.57	8

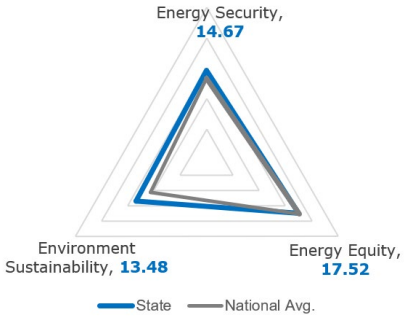
4. State and UT wise profiles

Karnataka

1
Rank

66.63
Overall Score

Dimension	Score	Rank
Energy Security	14.67	9
Energy Equity	17.52	16
Environmental Sustainability	13.48	8
State Context	20.96	1



Note – Dimension wise scores are out of 25

No.	Indicator	Value	Score	Rank
1.	**ENERGY SECURITY**			
A.	**Electricity Diversity and Power Supply Position**			
A.1	Diversity of Electricity Installed Capacity (ECMI Index)	0.57	1.21	12
A.2	Share of RE in total installed capacity (%)	53.09	1.84	2
A.3	Installed generating capacity (Growth Rate in %)	2.91	0.68	14
A.4	Electricity consumption per capita (in kWh)	1375.56	0.61	13
A.5	Energy not supplied (Deficit) in %	0.00	2.00	10
A.6	Installed Capacity/ Peak Demand	2.03	0.51	9
B.	**Viability of Energy/Electricity Systems in the State**			
B.1	AT & C Losses (in %)	16.26	4.05	9
B.2	ACS-ARR Gap (in Rs./unit)	0.83	3.36	19
B.3	Average Hours of Supply- Agriculture (Mins/day)	420.00	0.41	17
2.	**ENERGY EQUITY**			
A.	**Energy Access**			
A.1	Access to Electricity %	100	2.50	17
A.2	LPG + PNG Connections against number of HHs %	1.20	1.49	11
B.	**Affordability**			
B.1	ACS	7.14	2.37	25
B.2	Non-Subsidized LPG Price (Rs/14.2 kg Cylinder)	1105.5	0.98	3
B.3	Petrol Prices in Rs/litre	101.94	0.52	17
B.4	Diesel Prices in Rs./litre	87.89	0.67	8
B.5	PAT/Revenue	1.38	2.69	16
C.	**Performance of Utilities**			
C.1	PAT/ Revenue (%)	-0.08	2.41	20
C.2	Overdues/ Cost of Power (%)	0.36	1.35	25
C.3	Payables for Power Purchase (Days)	201.00	1.59	14
C.4	Tariff Subsidy Billed/ Total Revenue (%)	0.29	0.93	22
3.	**ENVIRONMENTAL SUSTAINABILITY**			
A.	**Energy Resource Productivity**			
A.1	Energy Efficiency Score	82.5	3.00	1
A.2	Performance of Clean Energy (Capacity/Potential) in %	10.85	1.24	6
A.3	Energy intensity (kgoe/GDP in 1000 INR)-Data	1.70	1.80	12
B.	**Decorbonisation**			
B.1	CO2 saved from LED Bulbs/1000 population (tonnes)	37.71	1.23	12
B.2	% of Forest Cover (Forest Cover wrt total area)	20.19	0.92	18
C.	**Emissions and Pollution**			
C.1	Emission Intensity (kgCO2eq/ GSDP in 1000 INR)	0.01	2.84	14
C.2	Air Quality Index	53.38	1.72	6
C.3	EV Penetration (%)	0.92	0.73	8

No.	Indicator	Value	Score	Rank
4.	**STATE CONTEXT**			
A.	**Macroeconomic Environment**			
A.1	Growth rate of GSDP	11.16	2.56	7
A.2	FDI Equity Inflows (in USD Million)	44460.79	2.47	2
A.3	States' Ranking: Start up Index*	100.00	3.00	2
B.	**Regulations, Institutions & Governance**			
B.1	Multidimensional Poverty Index	0.03	1.63	12
B.2	Good Governance Index	5.11	2.41	7
B.3	SDG Index	72	2.61	8
C.	**Stability for Investment & Innovation**			
C.1	Innovation Score as per India Innovation Index	18.01	2.51	2
C.2	Logistic Index	90.00	3.00	6
C.3	Investment Opportunities (in USD Billion)	111.61	0.77	11

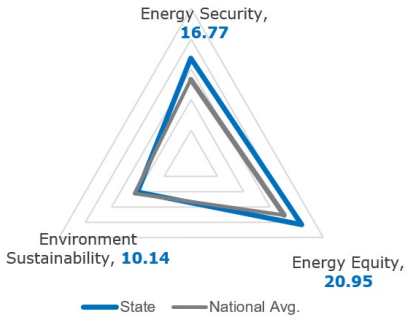
**100= Best performer; 80= Top Performer; 60= Leaders; 40=Aspiring Leaders; 20=Emerging States; 10= Beginners*

Gujarat

2
Rank

65.89
Overall Score

Dimension	Score	Rank
Energy Security	16.77	5
Energy Equity	20.95	6
Environmental Sustainability	10.14	19
State Context	18.03	3



Note – Dimension wise scores are out of 25

No.	Indicator	Value	Score	Rank
5.	**ENERGY SECURITY**			
A.	**Electricity Diversity and Power Supply Position**			
A.1	Diversity of Electricity Installed Capacity (ECMI Index)	0.64	1.41	9
A.2	Share of RE in total installed capacity (%)	42.33	1.43	4
A.3	Installed generating capacity (Growth Rate in %)	9.20	1.09	5
A.4	Electricity consumption per capita (in kWh)	2238.87	1.12	5
A.5	Energy not supplied (Deficit) in %	0.00	2.00	10
A.6	Installed Capacity/ Peak Demand	2.14	0.55	7
B.	**Viability of Energy/Electricity Systems in the State**			
B.1	AT & C Losses (in %)	11.56	4.58	3
B.2	ACS-ARR Gap (in Rs./unit)	-0.07	3.97	9
B.3	Average Hours of Supply- Agriculture (Mins/day)	480.00	0.62	15
6.	**ENERGY EQUITY**			
A.	**Energy Access**			
A.1	Access to Electricity %	100	2.50	17
A.2	LPG + PNG Connections against number of HHs %	1.03	1.09	19
B.	**Affordability**			
B.1	ACS	5.15	3.54	10
B.2	Non-Subsidized LPG Price (Rs/14.2 kg Cylinder)	1128.5	0.84	12
B.3	Petrol Prices in Rs/litre	96.63	0.80	7
B.4	Diesel Prices in Rs./litre	92.38	0.41	16
B.5	PAT/Revenue	1.57	2.58	18
C.	**Performance of Utilities**			
C.1	PAT/ Revenue (%)	0.03	2.50	9
C.2	Overdues/ Cost of Power (%)	0.01	2.45	10
C.3	Payables for Power Purchase (Days)	0.00	2.50	1
C.4	Tariff Subsidy Billed/ Total Revenue (%)	0.14	1.73	15
7.	**ENVIRONMENTAL SUSTAINABILITY**			
A.	**Energy Resource Productivity**			
A.1	Energy Efficiency Score	36.5	1.15	14
A.2	Performance of Clean Energy (Capacity/Potential) in %	10.78	1.23	7
A.3	Energy intensity (kgoe/GDP in 1000 INR)-Data	2.10	1.20	18
B.	**Decorbonisation**			
B.1	CO2 saved from LED Bulbs/1000 population (tonnes)	60.97	2.14	4
B.2	% of Forest Cover (Forest Cover wrt total area)	7.61	0.22	24
C.	**Emissions and Pollution**			
C.1	Emission Intensity (kgCO2eq/ GSDP in 1000 INR)	0.01	2.76	15
C.2	Air Quality Index	110.75	0.91	21
C.3	EV Penetration (%)	0.67	0.53	10

No.	Indicator	Value	Score	Rank
8.	**STATE CONTEXT**			
A.	**Macroeconomic Environment**			
A.1	Growth rate of GSDP	9.73	2.08	14
A.2	FDI Equity Inflows (in USD Million)	31900.96	1.77	3
A.3	States' Ranking: Start up Index*	100.00	3.00	2
B.	**Regulations, Institutions & Governance**			
B.1	Multidimensional Poverty Index	0.05	1.39	17
B.2	Good Governance Index	5.66	3.00	1
B.3	SDG Index	69	2.22	12
C.	**Stability for Investment & Innovation**			
C.1	Innovation Score as per India Innovation Index	12.41	0.51	22
C.2	Logistic Index	90.00	3.00	6
C.3	Investment Opportunities (in USD Billion)	144.87	1.06	7

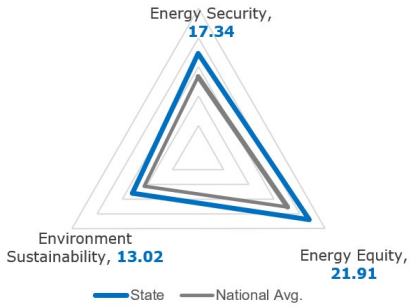
**100= Best performer; 80= Top Performer; 60= Leaders; 40=Aspiring Leaders; 20=Emerging States; 10= Beginners*

Himachal Pradesh

3
Rank

65.62
Overall Score

Dimension	Score	Rank
Energy Security	17.34	4
Energy Equity	21.91	3
Environmental Sustainability	13.02	10
State Context	13.35	12



Note – Dimension wise scores are out of 25

No.	Indicator	Value	Score	Rank
9.	**ENERGY SECURITY**			
A.	**Electricity Diversity and Power Supply Position**			
A.1	Diversity of Electricity Installed Capacity (ECMI Index)	0.37	0.65	22
A.2	Share of RE in total installed capacity (%)	23.77	0.73	9
A.3	Installed generating capacity (Growth Rate in %)	2.50	0.65	18
A.4	Electricity consumption per capita (in kWh)	1742.43	0.83	8
A.5	Energy not supplied (Deficit) in %	0.90	1.76	22
A.6	Installed Capacity/ Peak Demand	2.17	0.57	5
B.	**Viability of Energy/Electricity Systems in the State**			
B.1	AT & C Losses (in %)	14.02	4.30	7
B.2	ACS-ARR Gap (in Rs./unit)	0.11	3.85	11
B.3	Average Hours of Supply- Agriculture (Mins/day)	1,440.00	4.00	3
10.	**ENERGY EQUITY**			
A.	**Energy Access**			
A.1	Access to Electricity %	100	2.50	17
A.2	LPG + PNG Connections against number of HHs %	1.29	1.73	7
B.	**Affordability**			
B.1	ACS	5.14	3.54	9
B.2	Non-Subsidized LPG Price (Rs/14.2 kg Cylinder)	1147.5	0.72	18
B.3	Petrol Prices in Rs/litre	97.25	0.77	11
B.4	Diesel Prices in Rs./litre	86.13	0.77	4
B.5	PAT/Revenue	1.10	2.86	8
C.	**Performance of Utilities**			
C.1	PAT/ Revenue (%)	-0.04	2.44	14
C.2	Overdues/ Cost of Power (%)	0.04	2.38	13
C.3	Payables for Power Purchase (Days)	91.00	2.09	8
C.4	Tariff Subsidy Billed/ Total Revenue (%)	0.07	2.11	11
11.	**ENVIRONMENTAL SUSTAINABILITY**			
A.	**Energy Resource Productivity**			
A.1	Energy Efficiency Score	22	0.56	22
A.2	Performance of Clean Energy (Capacity/Potential) in %	2.84	0.31	17
A.3	Energy intensity (kgoe/GDP in 1000 INR)-Data	1.70	1.80	12
B.	**Decorbonisation**			
B.1	CO2 saved from LED Bulbs/1000 population (tonnes)	121.82	4.50	1
B.2	% of Forest Cover (Forest Cover wrt total area)	27.73	1.34	15
C.	**Emissions and Pollution**			
C.1	Emission Intensity (kgCO2eq/ GSDP in 1000 INR)	0.00	2.96	10
C.2	Air Quality Index	71.82	1.46	12
C.3	EV Penetration (%)	0.12	0.09	20

No.	Indicator	Value	Score	Rank
12.	**STATE CONTEXT**			
A.	**Macroeconomic Environment**			
A.1	Growth rate of GSDP	6.87	1.12	22
A.2	FDI Equity Inflows (in USD Million)	194.86	0.01	16
A.3	States' Ranking: Start up Index*	40.00	0.75	19
B.	**Regulations, Institutions & Governance**			
B.1	Multidimensional Poverty Index	0.02	1.77	6
B.2	Good Governance Index	5.08	2.39	8
B.3	SDG Index	74	2.87	3
C.	**Stability for Investment & Innovation**			
C.1	Innovation Score as per India Innovation Index	14.62	1.30	12
C.2	Logistic Index	90.00	3.00	6
C.3	Investment Opportunities (in USD Billion)	39.39	0.13	21

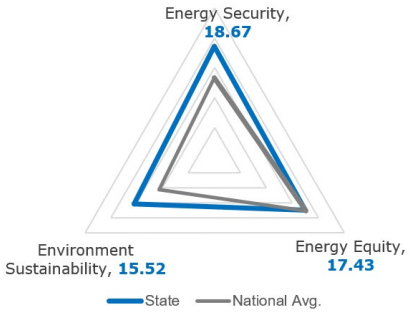
**100= Best performer; 80= Top Performer; 60= Leaders; 40=Aspiring Leaders; 20=Emerging States; 10= Beginners*

Kerala

4
Rank

65.51
Overall Score

Dimension	Score	Rank
Energy Security	18.67	1
Energy Equity	17.43	17
Environmental Sustainability	15.52	2
State Context	13.89	9



Note – Dimension wise scores are out of 25

No.	Indicator	Value	Score	Rank
13.	**ENERGY SECURITY**			
A.	**Electricity Diversity and Power Supply Position**			
A.1	Diversity of Electricity Installed Capacity (ECMI Index)	0.84	2.00	1
A.2	Share of RE in total installed capacity (%)	17.12	0.48	14
A.3	Installed generating capacity (Growth Rate in %)	5.87	0.87	8
A.4	Electricity consumption per capita (in kWh)	844.10	0.30	18
A.5	Energy not supplied (Deficit) in %	0.10	1.97	12
A.6	Installed Capacity/ Peak Demand	1.36	0.24	16
B.	**Viability of Energy/Electricity Systems in the State**			
B.1	AT & C Losses (in %)	7.80	5.00	1
B.2	ACS-ARR Gap (in Rs./unit)	0.18	3.80	13
B.3	Average Hours of Supply- Agriculture (Mins/day)	1,440.00	4.00	3
14.	**ENERGY EQUITY**			
A.	**Energy Access**			
A.1	Access to Electricity %	100	2.50	17
A.2	LPG + PNG Connections against number of HHs %	1.18	1.45	13
B.	**Affordability**			
B.1	ACS	6.02	3.03	15
B.2	Non-Subsidized LPG Price (Rs/14.2 kg Cylinder)	1112	0.94	7
B.3	Petrol Prices in Rs/litre	109.73	0.11	27
B.4	Diesel Prices in Rs./litre	98.53	0.06	27
B.5	PAT/Revenue	5.88	0.00	23
C.	**Performance of Utilities**			
C.1	PAT/ Revenue (%)	-0.03	2.45	13
C.2	Overdues/ Cost of Power (%)	0.02	2.43	12
C.3	Payables for Power Purchase (Days)	79.00	2.14	7
C.4	Tariff Subsidy Billed/ Total Revenue (%)	0.03	2.31	8
15.	**ENVIRONMENTAL SUSTAINABILITY**			
A.	**Energy Resource Productivity**			
A.1	Energy Efficiency Score	68.5	2.44	4
A.2	Performance of Clean Energy (Capacity/Potential) in %	10.77	1.23	8
A.3	Energy intensity (kgoe/GDP in 1000 INR)-Data	1.40	2.25	6
B.	**Decorbonisation**			
B.1	CO2 saved from LED Bulbs/1000 population (tonnes)	45.37	1.53	9
B.2	% of Forest Cover (Forest Cover wrt total area)	54.70	2.84	9
C.	**Emissions and Pollution**			
C.1	Emission Intensity (kgCO2eq/ GSDP in 1000 INR)	0.00	2.96	10
C.2	Air Quality Index	49.07	1.78	4
C.3	EV Penetration (%)	0.62	0.49	13

No.	Indicator	Value	Score	Rank
16.	**STATE CONTEXT**			
A.	**Macroeconomic Environment**			
A.1	Growth rate of GSDP	7.28	1.25	21
A.2	FDI Equity Inflows (in USD Million)	781.98	0.04	13
A.3	States' Ranking: Start up Index*	80.00	2.25	5
B.	**Regulations, Institutions & Governance**			
B.1	Multidimensional Poverty Index	0.00	2.00	3
B.2	Good Governance Index	5.22	2.53	5
B.3	SDG Index	75	3.00	1
C.	**Stability for Investment & Innovation**			
C.1	Innovation Score as per India Innovation Index	13.67	0.96	16
C.2	Logistic Index	80.00	1.50	17
C.3	Investment Opportunities (in USD Billion)	63.98	0.35	16

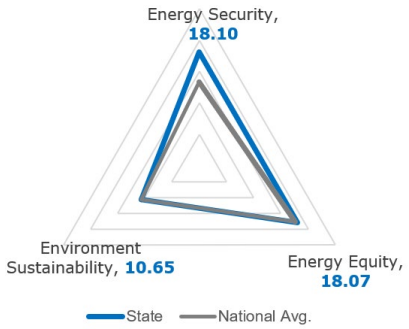
**100= Best performer; 80= Top Performer; 60= Leaders; 40=Aspiring Leaders; 20=Emerging States; 10= Beginners*

Telangana

5
Rank

64.59
Overall Score

Dimension	Score	Rank
Energy Security	18.10	3
Energy Equity	18.07	15
Environmental Sustainability	10.65	15
State Context	17.77	4



Note – Dimension wise scores are out of 25

No.	Indicator	Value	Score	Rank
17.	**ENERGY SECURITY**			
A.	**Electricity Diversity and Power Supply Position**			
A.1	Diversity of Electricity Installed Capacity (ECMI Index)	0.60	1.34	10
A.2	Share of RE in total installed capacity (%)	28.26	0.92	7
A.3	Installed generating capacity (Growth Rate in %)	3.36	0.72	13
A.4	Electricity consumption per capita (in kWh)	2126.18	1.08	7
A.5	Energy not supplied (Deficit) in %	0.00	2.04	7
A.6	Installed Capacity/ Peak Demand	1.20	0.18	18
B.	**Viability of Energy/Electricity Systems in the State**			
B.1	AT & C Losses (in %)	13.33	4.47	5
B.2	ACS-ARR Gap (in Rs./unit)	1.06	3.27	23
B.3	Average Hours of Supply- Agriculture (Mins/day)	1,440.00	4.08	2
18.	**ENERGY EQUITY**			
A.	**Energy Access**			
A.1	Access to Electricity %	100	2.55	14
A.2	LPG + PNG Connections against number of HHs %	1.30	1.80	6
B.	**Affordability**			
B.1	ACS	6.46	2.83	18
B.2	Non-Subsidized LPG Price (Rs/14.2 kg Cylinder)	1155	0.69	19
B.3	Petrol Prices in Rs/litre	109.66	0.12	26
B.4	Diesel Prices in Rs./litre	97.82	0.10	26
B.5	PAT/Revenue	1.26	2.82	11
C.	**Performance of Utilities**			
C.1	PAT/ Revenue (%)	-0.12	2.42	18
C.2	Overdues/ Cost of Power (%)	0.21	1.88	19
C.3	Payables for Power Purchase (Days)	297.00	1.19	21
C.4	Tariff Subsidy Billed/ Total Revenue (%)	0.16	1.67	16
19.	**ENVIRONMENTAL SUSTAINABILITY**			
A.	**Energy Resource Productivity**			
A.1	Energy Efficiency Score	74	2.71	3
A.2	Performance of Clean Energy (Capacity/Potential) in %	11.26	1.32	5
A.3	Energy intensity (kgoe/GDP in 1000 INR)-Data	1.80	1.68	14
B.	**Decorbonisation**			
B.1	CO2 saved from LED Bulbs/1000 population (tonnes)	7.94	0.08	27
B.2	% of Forest Cover (Forest Cover wrt total area)	18.93	0.87	20
C.	**Emissions and Pollution**			
C.1	Emission Intensity (kgCO2eq/ GSDP in 1000 INR)	0.01	2.57	19
C.2	Air Quality Index	77.18	1.41	14
C.3	EV Penetration (%)	NA	NA	NA

No.	Indicator	Value	Score	Rank
20.	**STATE CONTEXT**			
A.	**Macroeconomic Environment**			
A.1	Growth rate of GSDP	11.77	2.82	5
A.2	FDI Equity Inflows (in USD Million)	4744.82	0.27	6
A.3	States' Ranking: Start up Index*	80.00	2.30	4
B.	**Regulations, Institutions & Governance**			
B.1	Multidimensional Poverty Index	0.02	1.76	8
B.2	Good Governance Index	4.84	2.17	14
B.3	SDG Index	69	2.26	11
C.	**Stability for Investment & Innovation**			
C.1	Innovation Score as per India Innovation Index	17.66	2.44	4
C.2	Logistic Index	90.00	3.06	4
C.3	Investment Opportunities (in USD Billion)	101.33	0.69	12

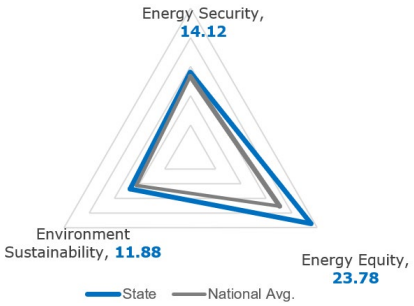
**100= Best performer; 80= Top Performer; 60= Leaders; 40=Aspiring Leaders; 20=Emerging States; 10= Beginners*

Uttarakhand

6
Rank

64.32
Overall Score

Dimension	Score	Rank
Energy Security	14.12	11
Energy Equity	23.78	1
Environmental Sustainability	11.88	11
State Context	14.54	7



Note – Dimension wise scores are out of 25

No.	Indicator	Value	Score	Rank
21.	**ENERGY SECURITY**			
A.	**Electricity Diversity and Power Supply Position**			
A.1	Diversity of Electricity Installed Capacity (ECMI Index)	0.65	1.50	6
A.2	Share of RE in total installed capacity (%)	22.22	0.70	11
A.3	Installed generating capacity (Growth Rate in %)	5.42	0.88	7
A.4	Electricity consumption per capita (in kWh)	1519.54	0.73	12
A.5	Energy not supplied (Deficit) in %	1.70	1.62	23
A.6	Installed Capacity/ Peak Demand	1.62	0.36	11
B.	**Viability of Energy/Electricity Systems in the State**			
B.1	AT & C Losses (in %)	15.39	4.32	6
B.2	ACS-ARR Gap (in Rs./unit)	0.10	4.01	6
B.3	Average Hours of Supply- Agriculture (Mins/day)	NA	NA	NA
22.	**ENERGY EQUITY**			
A.	**Energy Access**			
A.1	Access to Electricity %	100	2.60	6
A.2	LPG + PNG Connections against number of HHs %	1.30	1.83	5
B.	**Affordability**			
B.1	ACS	4.74	3.93	4
B.2	Non-Subsidized LPG Price (Rs/14.2 kg Cylinder)	1122	0.92	9
B.3	Petrol Prices in Rs/litre	95.28	0.90	3
B.4	Diesel Prices in Rs./litre	90.30	0.56	14
B.5	PAT/Revenue	1.28	2.87	7
C.	**Performance of Utilities**			
C.1	PAT/ Revenue (%)	0.01	2.58	3
C.2	Overdues/ Cost of Power (%)	0.01	2.57	5
C.3	Payables for Power Purchase (Days)	43.00	2.40	2
C.4	Tariff Subsidy Billed/ Total Revenue (%)	0.00	2.60	4
23.	**ENVIRONMENTAL SUSTAINABILITY**			
A.	**Energy Resource Productivity**			
A.1	Energy Efficiency Score	22	0.59	20
A.2	Performance of Clean Energy (Capacity/Potential) in %	5.03	0.59	15
A.3	Energy intensity (kgoe/GDP in 1000 INR)-Data	1.50	2.19	7
B.	**Decorbonisation**			
B.1	CO2 saved from LED Bulbs/1000 population (tonnes)	51.29	1.83	8
B.2	% of Forest Cover (Forest Cover wrt total area)	45.44	2.42	10
C.	**Emissions and Pollution**			
C.1	Emission Intensity (kgCO2eq/ GSDP in 1000 INR)	0.00	3.04	7
C.2	Air Quality Index	175.04	0.00	28
C.3	EV Penetration (%)	1.47	1.22	3

No.	Indicator	Value	Score	Rank
24.	**STATE CONTEXT**			
A.	**Macroeconomic Environment**			
A.1	Growth rate of GSDP	5.40	0.65	27
A.2	FDI Equity Inflows (in USD Million)	126.87	0.01	19
A.3	States' Ranking: Start up Index*	60.00	1.56	10
B.	**Regulations, Institutions & Governance**			
B.1	Multidimensional Poverty Index	0.04	1.57	14
B.2	Good Governance Index	4.84	2.22	12
B.3	SDG Index	72	2.72	6
C.	**Stability for Investment & Innovation**			
C.1	Innovation Score as per India Innovation Index	17.67	2.49	3
C.2	Logistic Index	90.00	3.13	1
C.3	Investment Opportunities (in USD Billion)	46.00	0.20	20

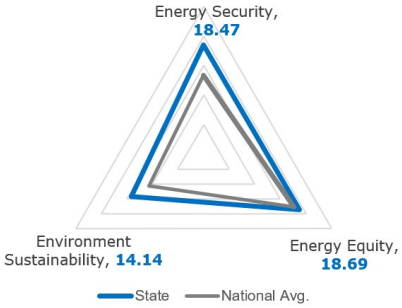
**100= Best performer; 80= Top Performer; 60= Leaders; 40=Aspiring Leaders; 20=Emerging States; 10= Beginners*

Goa

7
Rank

63.17
Overall Score

Dimension	Score	Rank
Energy Security	18.47	2
Energy Equity	18.69	13
Environmental Sustainability	14.14	4
State Context	11.87	15



Note – Dimension wise scores are out of 25

No.	Indicator	Value	Score	Rank
25.	**ENERGY SECURITY**			
A.	**Electricity Diversity and Power Supply Position**			
A.1	Diversity of Electricity Installed Capacity (ECMI Index)	0.36	0.67	21
A.2	Share of RE in total installed capacity (%)	4.37	0.00	27
A.3	Installed generating capacity (Growth Rate in %)	2.04	0.66	17
A.4	Electricity consumption per capita (in kWh)	3735.51	2.12	1
A.5	Energy not supplied (Deficit) in %	0.00	2.12	3
A.6	Installed Capacity/ Peak Demand	0.86	0.03	27
B.	**Viability of Energy/Electricity Systems in the State**			
B.1	AT & C Losses (in %)	13.09	4.66	2
B.2	ACS-ARR Gap (in Rs./unit)	0.24	3.98	8
B.3	Average Hours of Supply- Agriculture (Mins/day)	1,440.00	4.23	1
26.	**ENERGY EQUITY**			
A.	**Energy Access**			
A.1	Access to Electricity %	100	2.65	5
A.2	LPG + PNG Connections against number of HHs %	1.60	2.65	1
B.	**Affordability**			
B.1	ACS	4.80	3.96	2
B.2	Non-Subsidized LPG Price (Rs/14.2 kg Cylinder)	1117	0.96	6
B.3	Petrol Prices in Rs/litre	97.68	0.79	8
B.4	Diesel Prices in Rs./litre	90.23	0.57	12
B.5	PAT/Revenue	NA	NA	NA
C.	**Performance of Utilities**			
C.1	PAT/ Revenue (%)	-0.05	2.57	5
C.2	Overdues/ Cost of Power (%)	0.00	2.65	3
C.3	Payables for Power Purchase (Days)	NA	NA	NA
C.4	Tariff Subsidy Billed/ Total Revenue (%)	0.13	1.90	13
27.	**ENVIRONMENTAL SUSTAINABILITY**			
A.	**Energy Resource Productivity**			
A.1	Energy Efficiency Score	21.5	0.58	21
A.2	Performance of Clean Energy (Capacity/Potential) in %	2.92	0.34	16
A.3	Energy intensity (kgoe/GDP in 1000 INR)-Data	1.90	1.59	16
B.	**Decorbonisation**			
B.1	CO2 saved from LED Bulbs/1000 population (tonnes)	67.18	2.52	3
B.2	% of Forest Cover (Forest Cover wrt total area)	60.62	3.35	7
C.	**Emissions and Pollution**			
C.1	Emission Intensity (kgCO2eq/ GSDP in 1000 INR)	0.00	3.09	6
C.2	Air Quality Index	61.56	1.70	7
C.3	EV Penetration (%)	1.16	0.98	5

No.	Indicator	Value	Score	Rank
28.	**STATE CONTEXT**			
A.	**Macroeconomic Environment**			
A.1	Growth rate of GSDP	6.58	1.08	24
A.2	FDI Equity Inflows (in USD Million)	130.12	0.01	18
A.3	States' Ranking: Start up Index*	60.00	1.59	9
B.	**Regulations, Institutions & Governance**			
B.1	Multidimensional Poverty Index	0.00	2.10	2
B.2	Good Governance Index	5.35	2.82	2
B.3	SDG Index	72	2.76	5
C.	**Stability for Investment & Innovation**			
C.1	Innovation Score as per India Innovation Index	14.93	1.50	11
C.2	Logistic Index	70.00	0.00	19
C.3	Investment Opportunities (in USD Billion)	26.80	0.03	27

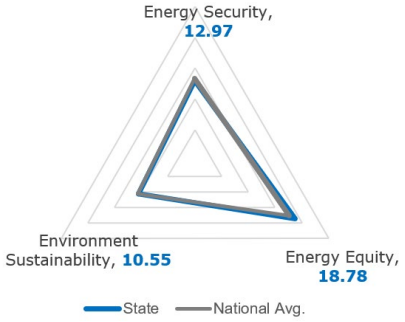
**100= Best performer; 80= Top Performer; 60= Leaders; 40=Aspiring Leaders; 20=Emerging States; 10= Beginners*

Maharashtra

8
Rank

62.11
Overall Score

Dimension	Score	Rank
Energy Security	12.97	16
Energy Equity	18.78	12
Environmental Sustainability	10.55	17
State Context	19.81	2



Note – Dimension wise scores are out of 25

No.	Indicator	Value	Score	Rank
29.	**ENERGY SECURITY**			
A.	**Electricity Diversity and Power Supply Position**			
A.1	Diversity of Electricity Installed Capacity (ECMI Index)	0.58	1.26	11
A.2	Share of RE in total installed capacity (%)	28.01	0.89	8
A.3	Installed generating capacity (Growth Rate in %)	0.78	0.54	21
A.4	Electricity consumption per capita (in kWh)	1588.32	0.74	11
A.5	Energy not supplied (Deficit) in %	0.10	1.97	12
A.6	Installed Capacity/ Peak Demand	1.47	0.28	14
B.	**Viability of Energy/Electricity Systems in the State**			
B.1	AT & C Losses (in %)	26.59	2.88	18
B.2	ACS-ARR Gap (in Rs./unit)	0.53	3.56	16
B.3	Average Hours of Supply- Agriculture (Mins/day)	540.00	0.83	12
30.	**ENERGY EQUITY**			
A.	**Energy Access**			
A.1	Access to Electricity %	100	2.50	17
A.2	LPG + PNG Connections against number of HHs %	1.20	1.51	10
B.	**Affordability**			
B.1	ACS	6.34	2.84	17
B.2	Non-Subsidized LPG Price (Rs/14.2 kg Cylinder)	1102.5	1.00	1
B.3	Petrol Prices in Rs/litre	106.31	0.29	22
B.4	Diesel Prices in Rs./litre	94.27	0.31	22
B.5	PAT/Revenue	1.17	2.82	12
C.	**Performance of Utilities**			
C.1	PAT/ Revenue (%)	-0.05	2.43	15
C.2	Overdues/ Cost of Power (%)	0.32	1.49	23
C.3	Payables for Power Purchase (Days)	178.00	1.70	13
C.4	Tariff Subsidy Billed/ Total Revenue (%)	0.11	1.89	14
31.	**ENVIRONMENTAL SUSTAINABILITY**			
A.	**Energy Resource Productivity**			
A.1	Energy Efficiency Score	53.5	1.83	7
A.2	Performance of Clean Energy (Capacity/Potential) in %	7.65	0.87	12
A.3	Energy intensity (kgoe/GDP in 1000 INR)-Data	1.60	1.95	11
B.	**Decorbonisation**			
B.1	CO2 saved from LED Bulbs/1000 population (tonnes)	18.30	0.48	20
B.2	% of Forest Cover (Forest Cover wrt total area)	16.51	0.72	22
C.	**Emissions and Pollution**			
C.1	Emission Intensity (kgCO2eq/ GSDP in 1000 INR)	0.01	2.68	16
C.2	Air Quality Index	86.92	1.25	16
C.3	EV Penetration (%)	0.97	0.77	7

No.	Indicator	Value	Score	Rank
32.	**STATE CONTEXT**			
A.	**Macroeconomic Environment**			
A.1	Growth rate of GSDP	6.64	1.04	25
A.2	FDI Equity Inflows (in USD Million)	53971.06	3.00	1
A.3	States' Ranking: Start up Index*	80.00	2.25	5
B.	**Regulations, Institutions & Governance**			
B.1	Multidimensional Poverty Index	0.03	1.61	13
B.2	Good Governance Index	5.43	2.75	3
B.3	SDG Index	70	2.35	10
C.	**Stability for Investment & Innovation**			
C.1	Innovation Score as per India Innovation Index	16.06	1.82	7
C.2	Logistic Index	90.00	3.00	6
C.3	Investment Opportunities (in USD Billion)	251.93	2.00	1

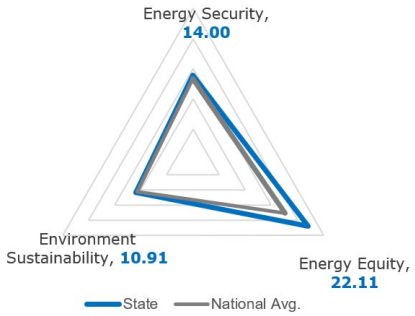
**100= Best performer; 80= Top Performer; 60= Leaders; 40=Aspiring Leaders; 20=Emerging States; 10= Beginners*

Haryana

9
Rank

61.57
Overall Score

Dimension	Score	Rank
Energy Security	14.00	12
Energy Equity	22.11	2
Environmental Sustainability	10.91	13
State Context	14.55	6



Note – Dimension wise scores are out of 25

No.	Indicator	Value	Score	Rank
33.	**ENERGY SECURITY**			
A.	**Electricity Diversity and Power Supply Position**			
A.1	Diversity of Electricity Installed Capacity (ECMI Index)	0.51	1.08	15
A.2	Share of RE in total installed capacity (%)	10.47	0.24	17
A.3	Installed generating capacity (Growth Rate in %)	3.65	0.75	12
A.4	Electricity consumption per capita (in kWh)	2186.44	1.12	4
A.5	Energy not supplied (Deficit) in %	0.80	1.84	20
A.6	Installed Capacity/ Peak Demand	1.02	0.10	23
B.	**Viability of Energy/Electricity Systems in the State**			
B.1	AT & C Losses (in %)	17.05	4.08	8
B.2	ACS-ARR Gap (in Rs./unit)	-0.12	4.12	3
B.3	Average Hours of Supply- Agriculture (Mins/day)	480.00	0.64	14
34.	**ENERGY EQUITY**			
A.	**Energy Access**			
A.1	Access to Electricity %	100	2.58	11
A.2	LPG + PNG Connections against number of HHs %	1.40	2.06	3
B.	**Affordability**			
B.1	ACS	5.22	3.60	8
B.2	Non-Subsidized LPG Price (Rs/14.2 kg Cylinder)	1120.5	0.92	8
B.3	Petrol Prices in Rs/litre	97.48	0.78	9
B.4	Diesel Prices in Rs./litre	90.31	0.55	15
B.5	PAT/Revenue	1.40	2.76	13
C.	**Performance of Utilities**			
C.1	PAT/ Revenue (%)	0.02	2.57	6
C.2	Overdues/ Cost of Power (%)	0.03	2.48	8
C.3	Payables for Power Purchase (Days)	55.00	2.32	3
C.4	Tariff Subsidy Billed/ Total Revenue (%)	0.19	1.48	18
35.	**ENVIRONMENTAL SUSTAINABILITY**			
A.	**Energy Resource Productivity**			
A.1	Energy Efficiency Score	55	1.95	6
A.2	Performance of Clean Energy (Capacity/Potential) in %	20.05	2.38	2
A.3	Energy intensity (kgoe/GDP in 1000 INR)-Data	2.20	1.08	19
B.	**Decorbonisation**			
B.1	CO2 saved from LED Bulbs/1000 population (tonnes)	54.35	1.94	7
B.2	% of Forest Cover (Forest Cover wrt total area)	3.63	0.00	28
C.	**Emissions and Pollution**			
C.1	Emission Intensity (kgCO2eq/ GSDP in 1000 INR)	0.01	2.85	13
C.2	Air Quality Index	162.00	0.19	27
C.3	EV Penetration (%)	0.64	0.52	11

No.	Indicator	Value	Score	Rank
36.	**STATE CONTEXT**			
A.	**Macroeconomic Environment**			
A.1	Growth rate of GSDP	9.79	2.17	11
A.2	FDI Equity Inflows (in USD Million)	7821.99	0.45	5
A.3	States' Ranking: Start up Index*	NA	NA	NA
B.	**Regulations, Institutions & Governance**			
B.1	Multidimensional Poverty Index	0.03	1.68	10
B.2	Good Governance Index	5.33	2.73	4
B.3	SDG Index	67	2.02	14
C.	**Stability for Investment & Innovation**			
C.1	Innovation Score as per India Innovation Index	16.35	1.98	5
C.2	Logistic Index	90.00	3.09	3
C.3	Investment Opportunities (in USD Billion)	72.34	0.44	15

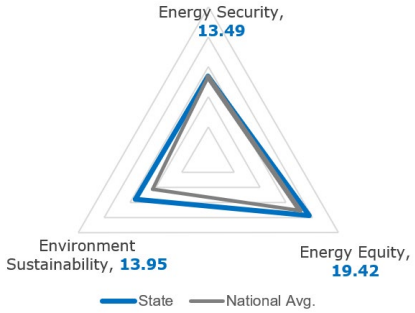
**100= Best performer; 80= Top Performer; 60= Leaders; 40=Aspiring Leaders; 20=Emerging States; 10= Beginners*

Sikkim

10
Rank

60.55
Overall Score

Dimension	Score	Rank
Energy Security	13.49	14
Energy Equity	19.42	10
Environmental Sustainability	13.95	5
State Context	13.69	10



Note – Dimension wise scores are out of 25

No.	Indicator	Value	Score	Rank
37.	**ENERGY SECURITY**			
A.	**Electricity Diversity and Power Supply Position**			
A.1	Diversity of Electricity Installed Capacity (ECMI Index)	0.19	0.17	27
A.2	Share of RE in total installed capacity (%)	8.49	0.19	20
A.3	Installed generating capacity (Growth Rate in %)	-7.49	0.00	28
A.4	Electricity consumption per capita (in kWh)	1010.84	0.47	16
A.5	Energy not supplied (Deficit) in %	0.00	2.37	1
A.6	Installed Capacity/ Peak Demand	5.68	2.37	1
B.	**Viability of Energy/Electricity Systems in the State**			
B.1	AT & C Losses (in %)	25.92	3.50	15
B.2	ACS-ARR Gap (in Rs./unit)	0.27	4.42	1
B.3	Average Hours of Supply- Agriculture (Mins/day)	NA	NA	NA
38.	**ENERGY EQUITY**			
A.	**Energy Access**			
A.1	Access to Electricity %	100	2.96	1
A.2	LPG + PNG Connections against number of HHs %	1.17	1.70	8
B.	**Affordability**			
B.1	ACS	4.36	4.73	1
B.2	Non-Subsidized LPG Price (Rs/14.2 kg Cylinder)	1255.5	0.06	26
B.3	Petrol Prices in Rs/litre	102.85	0.56	16
B.4	Diesel Prices in Rs./litre	89.90	0.66	10
B.5	PAT/Revenue	NA	NA	NA
C.	**Performance of Utilities**			
C.1	PAT/ Revenue (%)	-0.07	2.87	1
C.2	Overdue/ Cost of Power (%)	0.01	2.92	1
C.3	Payables for Power Purchase (Days)	NA	NA	NA
C.4	Tariff Subsidy Billed/ Total Revenue (%)	0.00	2.96	1
39.	**ENVIRONMENTAL SUSTAINABILITY**			
A.	**Energy Resource Productivity**			
A.1	Energy Efficiency Score	21	0.62	18
A.2	Performance of Clean Energy (Capacity/Potential) in %	1.15	0.14	22
A.3	Energy intensity (kgoe/GDP in 1000 INR)-Data	0.90	3.55	1
B.	**Decorbonisation**			
B.1	CO2 saved from LED Bulbs/1000 population (tonnes)	25.04	0.88	15
B.2	% of Forest Cover (Forest Cover wrt total area)	47.08	2.86	8
C.	**Emissions and Pollution**			
C.1	Emission Intensity (kgCO2eq/ GSDP in 1000 INR)	0.00	3.55	1
C.2	Air Quality Index	35.13	2.34	1
C.3	EV Penetration (%)	0.02	0.01	23

No.	Indicator	Value	Score	Rank
40.	**STATE CONTEXT**			
A.	**Macroeconomic Environment**			
A.1	Growth rate of GSDP	12.22	3.46	1
A.2	FDI Equity Inflows (in USD Million)	NA	NA	NA
A.3	States' Ranking: Start up Index*	NA	NA	NA
B.	**Regulations, Institutions & Governance**			
B.1	Multidimensional Poverty Index	0.01	2.23	1
B.2	Good Governance Index	4.40	1.97	17
B.3	SDG Index	71	2.93	2
C.	**Stability for Investment & Innovation**			
C.1	Innovation Score as per India Innovation Index	13.85	1.22	13
C.2	Logistic Index	80.00	1.78	14
C.3	Investment Opportunities (in USD Billion)	34.56	0.11	22

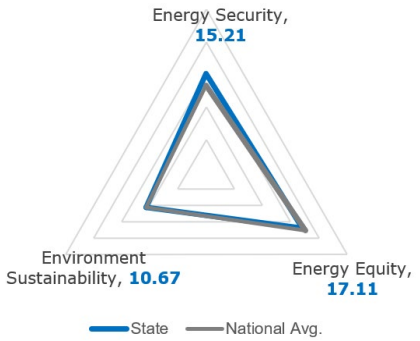
**100= Best performer; 80= Top Performer; 60= Leaders; 40=Aspiring Leaders; 20=Emerging States; 10= Beginners*

Tamil Nadu

11
Rank

60.17
Overall Score

Dimension	Score	Rank
Energy Security	15.21	7
Energy Equity	17.11	20
Environmental Sustainability	10.67	14
State Context	17.18	5



Note – Dimension wise scores are out of 25

No.	Indicator	Value	Score	Rank
41.	**ENERGY SECURITY**			
A.	**Electricity Diversity and Power Supply Position**			
A.1	Diversity of Electricity Installed Capacity (ECMI Index)	0.66	1.49	7
A.2	Share of RE in total installed capacity (%)	47.90	1.64	3
A.3	Installed generating capacity (Growth Rate in %)	4.83	0.81	10
A.4	Electricity consumption per capita (in kWh)	1714.31	0.81	9
A.5	Energy not supplied (Deficit) in %	0.10	1.97	12
A.6	Installed Capacity/ Peak Demand	2.17	0.57	6
B.	**Viability of Energy/Electricity Systems in the State**			
B.1	AT & C Losses (in %)	11.93	4.54	4
B.2	ACS-ARR Gap (in Rs./unit)	2.04	2.55	26
B.3	Average Hours of Supply- Agriculture (Mins/day)	540.00	0.83	12
42.	**ENERGY EQUITY**			
A.	**Energy Access**			
A.1	Access to Electricity %	100	2.50	17
A.2	LPG + PNG Connections against number of HHs %	1.06	1.15	18
B.	**Affordability**			
B.1	ACS	7.17	2.35	26
B.2	Non-Subsidized LPG Price (Rs/14.2 kg Cylinder)	1118.5	0.90	10
B.3	Petrol Prices in Rs/litre	102.63	0.48	19
B.4	Diesel Prices in Rs./litre	94.24	0.31	21
B.5	PAT/Revenue	0.87	3.00	1
C.	**Performance of Utilities**			
C.1	PAT/ Revenue (%)	-0.44	2.12	26
C.2	Overdue/ Cost of Power (%)	0.42	1.16	26
C.3	Payables for Power Purchase (Days)	212.00	1.55	18
C.4	Tariff Subsidy Billed/ Total Revenue (%)	0.17	1.59	17
43.	**ENVIRONMENTAL SUSTAINABILITY**			
A.	**Energy Resource Productivity**			
A.1	Energy Efficiency Score	29	0.85	17
A.2	Performance of Clean Energy (Capacity/Potential) in %	20.26	2.34	3
A.3	Energy intensity (kgoe/GDP in 1000 INR)-Data	1.80	1.65	15
B.	**Decorbonisation**			
B.1	CO2 saved from LED Bulbs/1000 population (tonnes)	5.97	0.00	28
B.2	% of Forest Cover (Forest Cover wrt total area)	20.31	0.93	17
C.	**Emissions and Pollution**			
C.1	Emission Intensity (kgCO2eq/ GSDP in 1000 INR)	0.01	2.68	16
C.2	Air Quality Index	49.65	1.78	5
C.3	EV Penetration (%)	0.58	0.45	15

No.	Indicator	Value	Score	Rank
44.	**STATE CONTEXT**			
A.	**Macroeconomic Environment**			
A.1	Growth rate of GSDP	9.66	2.06	15
A.2	FDI Equity Inflows (in USD Million)	8501.65	0.47	4
A.3	States' Ranking: Start up Index*	60.00	1.50	12
B.	**Regulations, Institutions & Governance**			
B.1	Multidimensional Poverty Index	0.01	1.91	5
B.2	Good Governance Index	5.05	2.35	9
B.3	SDG Index	74	2.87	3
C.	**Stability for Investment & Innovation**			
C.1	Innovation Score as per India Innovation Index	15.69	1.69	9
C.2	Logistic Index	90.00	3.00	6
C.3	Investment Opportunities (in USD Billion)	176.56	1.34	3

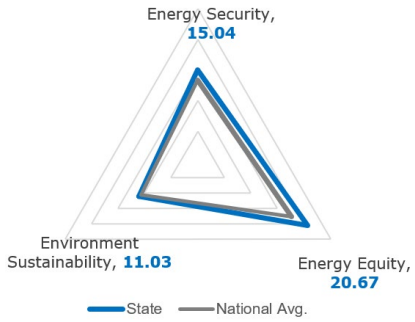
**100= Best performer; 80= Top Performer; 60= Leaders; 40=Aspiring Leaders; 20=Emerging States; 10= Beginners*

Odisha

12
Rank

59.75
Overall Score

Dimension	Score	Rank
Energy Security	15.04	8
Energy Equity	20.67	9
Environmental Sustainability	11.03	12
State Context	13.01	13



Note – Dimension wise scores are out of 25

No.	Indicator	Value	Score	Rank
45.	**ENERGY SECURITY**			
A.	**Electricity Diversity and Power Supply Position**			
A.1	Diversity of Electricity Installed Capacity (ECMI Index)	0.43	0.83	19
A.2	Share of RE in total installed capacity (%)	8.07	0.14	22
A.3	Installed generating capacity (Growth Rate in %)	0.41	0.52	23
A.4	Electricity consumption per capita (in kWh)	2263.70	1.14	3
A.5	Energy not supplied (Deficit) in %	0.10	1.97	12
A.6	Installed Capacity/ Peak Demand	1.19	0.17	20
B.	**Viability of Energy/Electricity Systems in the State**			
B.1	AT & C Losses (in %)	27.41	2.79	19
B.2	ACS-ARR Gap (in Rs./unit)	0.35	3.68	15
B.3	Average Hours of Supply- Agriculture (Mins/day)	1,380.00	3.79	7
46.	**ENERGY EQUITY**			
A.	**Energy Access**			
A.1	Access to Electricity %	100	2.50	17
A.2	LPG + PNG Connections against number of HHs %	0.89	0.73	23
B.	**Affordability**			
B.1	ACS	4.43	3.96	3
B.2	Non-Subsidized LPG Price (Rs/14.2 kg Cylinder)	1129	0.84	13
B.3	Petrol Prices in Rs/litre	103.19	0.45	20
B.4	Diesel Prices in Rs./litre	94.76	0.28	24
B.5	PAT/Revenue	1.44	2.66	17
C.	**Performance of Utilities**			
C.1	PAT/ Revenue (%)	-0.06	2.43	16
C.2	Overdue/ Cost of Power (%)	0.06	2.31	15
C.3	Payables for Power Purchase (Days)	106.00	2.02	9
C.4	Tariff Subsidy Billed/ Total Revenue (%)	0.00	2.50	6
47.	**ENVIRONMENTAL SUSTAINABILITY**			
A.	**Energy Resource Productivity**			
A.1	Energy Efficiency Score	32.5	0.99	15
A.2	Performance of Clean Energy (Capacity/Potential) in %	1.81	0.19	19
A.3	Energy intensity (kgoe/GDP in 1000 INR)-Data	2.40	0.75	22
B.	**Decorbonisation**			
B.1	CO2 saved from LED Bulbs/1000 population (tonnes)	118.82	4.38	2
B.2	% of Forest Cover (Forest Cover wrt total area)	33.50	1.66	13
C.	**Emissions and Pollution**			
C.1	Emission Intensity (kgCO2eq/ GSDP in 1000 INR)	0.04	1.40	26
C.2	Air Quality Index	92.59	1.17	18
C.3	EV Penetration (%)	0.63	0.50	12

No.	Indicator	Value	Score	Rank
48.	**STATE CONTEXT**			
A.	**Macroeconomic Environment**			
A.1	Growth rate of GSDP	10.33	2.28	10
A.2	FDI Equity Inflows (in USD Million)	159.76	0.01	17
A.3	States' Ranking: Start up Index*	80.00	2.25	5
B.	**Regulations, Institutions & Governance**			
B.1	Multidimensional Poverty Index	0.07	1.14	21
B.2	Good Governance Index	4.58	1.85	20
B.3	SDG Index	61	1.17	20
C.	**Stability for Investment & Innovation**			
C.1	Innovation Score as per India Innovation Index	11.42	0.16	25
C.2	Logistic Index	90.00	3.00	6
C.3	Investment Opportunities (in USD Billion)	155.57	1.15	5

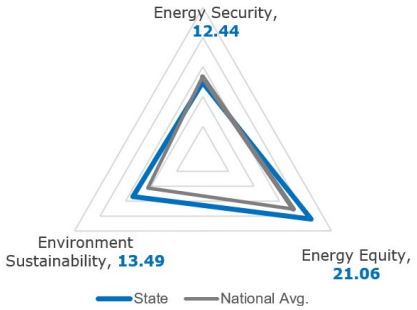
**100= Best performer; 80= Top Performer; 60= Leaders; 40=Aspiring Leaders; 20=Emerging States; 10= Beginners*

Assam

13
Rank

56.80
Overall Score

Dimension	Score	Rank
Energy Security	12.44	19
Energy Equity	21.06	4
Environmental Sustainability	13.49	7
State Context	9.81	20



Note – Dimension wise scores are out of 25

No.	Indicator	Value	Score	Rank
49.	**ENERGY SECURITY**			
A.	**Electricity Diversity and Power Supply Position**			
A.1	Diversity of Electricity Installed Capacity (ECMI Index)	0.66	1.54	5
A.2	Share of RE in total installed capacity (%)	9.95	0.22	18
A.3	Installed generating capacity (Growth Rate in %)	1.99	0.65	19
A.4	Electricity consumption per capita (in kWh)	384.32	0.03	26
A.5	Energy not supplied (Deficit) in %	0.10	2.06	6
A.6	Installed Capacity/ Peak Demand	0.78	0.00	28
B.	**Viability of Energy/Electricity Systems in the State**			
B.1	AT & C Losses (in %)	18.73	3.93	10
B.2	ACS-ARR Gap (in Rs./unit)	0.10	4.01	6
B.3	Average Hours of Supply- Agriculture (Mins/day)	NA	NA	NA
50.	**ENERGY EQUITY**			
A.	**Energy Access**			
A.1	Access to Electricity %	100	2.60	6
A.2	LPG + PNG Connections against number of HHs %	1.13	1.39	15
B.	**Affordability**			
B.1	ACS	6.77	2.70	21
B.2	Non-Subsidized LPG Price (Rs/14.2 kg Cylinder)	1152	0.72	17
B.3	Petrol Prices in Rs/litre	97.02	0.81	5
B.4	Diesel Prices in Rs./litre	89.07	0.63	11
B.5	PAT/Revenue	1.81	2.54	21
C.	**Performance of Utilities**			
C.1	PAT/ Revenue (%)	-0.02	2.56	7
C.2	Overdue/ Cost of Power (%)	0.02	2.54	6
C.3	Payables for Power Purchase (Days)	65.00	2.30	5
C.4	Tariff Subsidy Billed/ Total Revenue (%)	0.06	2.27	10
51.	**ENVIRONMENTAL SUSTAINABILITY**			
A.	**Energy Resource Productivity**			
A.1	Energy Efficiency Score	50.5	1.78	9
A.2	Performance of Clean Energy (Capacity/Potential) in %	1.28	0.13	23
A.3	Energy intensity (kgoe/GDP in 1000 INR)-Data	1.40	2.34	5
B.	**Decorbonisation**			
B.1	CO2 saved from LED Bulbs/1000 population (tonnes)	21.16	0.61	18
B.2	% of Forest Cover (Forest Cover wrt total area)	36.09	1.88	12
C.	**Emissions and Pollution**			
C.1	Emission Intensity (kgCO2eq/ GSDP in 1000 INR)	0.01	3.00	9
C.2	Air Quality Index	63.46	1.65	8
C.3	EV Penetration (%)	2.51	2.08	1

No.	Indicator	Value	Score	Rank
52.	**STATE CONTEXT**			
A.	**Macroeconomic Environment**			
A.1	Growth rate of GSDP	8.34	1.68	18
A.2	FDI Equity Inflows (in USD Million)	20.62	0.00	20
A.3	States' Ranking: Start up Index*	60.00	1.56	10
B.	**Regulations, Institutions & Governance**			
B.1	Multidimensional Poverty Index	0.09	0.98	23
B.2	Good Governance Index	4.04	1.33	24
B.3	SDG Index	57	0.68	26
C.	**Stability for Investment & Innovation**			
C.1	Innovation Score as per India Innovation Index	11.29	0.12	26
C.2	Logistic Index	90.00	3.13	1
C.3	Investment Opportunities (in USD Billion)	60.83	0.34	18

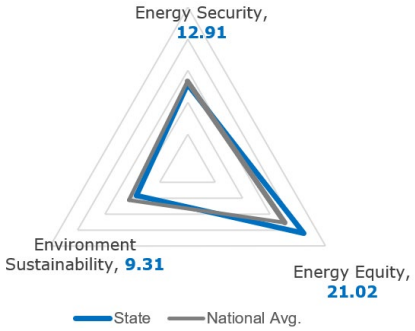
**100= Best performer; 80= Top Performer; 60= Leaders; 40=Aspiring Leaders; 20=Emerging States; 10= Beginners*

Punjab

14
Rank

56.69
Overall Score

Dimension	Score	Rank
Energy Security	12.91	18
Energy Equity	21.02	5
Environmental Sustainability	9.31	21
State Context	13.45	11



Note – Dimension wise scores are out of 25

No.	Indicator	Value	Score	Rank
53.	**ENERGY SECURITY**			
A.	**Electricity Diversity and Power Supply Position**			
A.1	Diversity of Electricity Installed Capacity (ECMI Index)	0.54	1.13	14
A.2	Share of RE in total installed capacity (%)	13.10	0.33	16
A.3	Installed generating capacity (Growth Rate in %)	1.48	0.59	20
A.4	Electricity consumption per capita (in kWh)	2350.06	1.19	2
A.5	Energy not supplied (Deficit) in %	0.50	1.87	19
A.6	Installed Capacity/ Peak Demand	1.00	0.09	24
B.	**Viability of Energy/Electricity Systems in the State**			
B.1	AT & C Losses (in %)	18.54	3.79	11
B.2	ACS-ARR Gap (in Rs./unit)	-0.01	3.93	10
B.3	Average Hours of Supply- Agriculture (Mins/day)	303.50	0.00	19
54.	**ENERGY EQUITY**			
A.	**Energy Access**			
A.1	Access to Electricity %	100	2.50	17
A.2	LPG + PNG Connections against number of HHs %	1.53	2.31	2
B.	**Affordability**			
B.1	ACS	5.65	3.24	11
B.2	Non-Subsidized LPG Price (Rs/14.2 kg Cylinder)	1132.5	0.81	14
B.3	Petrol Prices in Rs/litre	97.09	0.77	10
B.4	Diesel Prices in Rs./litre	87.46	0.70	7
B.5	PAT/Revenue	1.14	2.83	9
C.	**Performance of Utilities**			
C.1	PAT/ Revenue (%)	0.00	2.48	10
C.2	Overdue/ Cost of Power (%)	0.02	2.44	11
C.3	Payables for Power Purchase (Days)	65.00	2.21	6
C.4	Tariff Subsidy Billed/ Total Revenue (%)	0.32	0.73	25
55.	**ENVIRONMENTAL SUSTAINABILITY**			
A.	**Energy Resource Productivity**			
A.1	Energy Efficiency Score	53	1.81	8
A.2	Performance of Clean Energy (Capacity/Potential) in %	25.97	3.00	1
A.3	Energy intensity (kgoe/GDP in 1000 INR)-Data	2.60	0.45	24
B.	**Decorbonisation**			
B.1	CO2 saved from LED Bulbs/1000 population (tonnes)	10.33	0.17	24
B.2	% of Forest Cover (Forest Cover wrt total area)	3.67	0.00	27
C.	**Emissions and Pollution**			
C.1	Emission Intensity (kgCO2eq/ GSDP in 1000 INR)	0.01	2.64	18
C.2	Air Quality Index	102.91	1.02	20
C.3	EV Penetration (%)	0.29	0.22	17

No.	Indicator	Value	Score	Rank
56.	**STATE CONTEXT**			
A.	**Macroeconomic Environment**			
A.1	Growth rate of GSDP	6.46	0.98	26
A.2	FDI Equity Inflows (in USD Million)	961.79	0.05	11
A.3	States' Ranking: Start up Index*	60.00	1.50	12
B.	**Regulations, Institutions & Governance**			
B.1	Multidimensional Poverty Index	0.02	1.77	6
B.2	Good Governance Index	4.97	2.27	10
B.3	SDG Index	68	2.09	13
C.	**Stability for Investment & Innovation**			
C.1	Innovation Score as per India Innovation Index	15.35	1.56	10
C.2	Logistic Index	90.00	3.00	6
C.3	Investment Opportunities (in USD Billion)	51.35	0.24	19

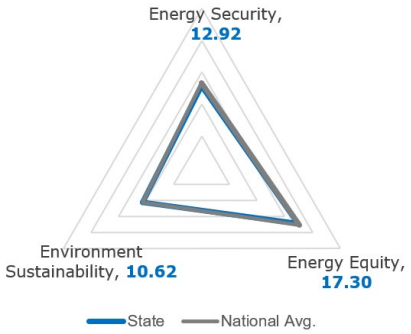
**100= Best performer; 80= Top Performer; 60= Leaders; 40=Aspiring Leaders; 20=Emerging States; 10= Beginners*

Andhra Pradesh

15
Rank

55.27
Overall Score

Dimension	Score	Rank
Energy Security	12.92	17
Energy Equity	17.30	19
Environmental Sustainability	10.62	16
State Context	14.43	8



Note – Dimension wise scores are out of 25

No.	Indicator	Value	Score	Rank
57.	**ENERGY SECURITY**			
A.	**Electricity Diversity and Power Supply Position**			
A.1	Diversity of Electricity Installed Capacity (ECMI Index)	0.65	1.48	8
A.2	Share of RE in total installed capacity (%)	35.09	1.18	5
A.3	Installed generating capacity (Growth Rate in %)	2.48	0.67	15
A.4	Electricity consumption per capita (in kWh)	1567.23	0.74	10
A.5	Energy not supplied (Deficit) in %	0.60	1.88	18
A.6	Installed Capacity/ Peak Demand	2.03	0.52	8
B.	**Viability of Energy/Electricity Systems in the State**			
B.1	AT & C Losses (in %)	28.36	2.74	22
B.2	ACS-ARR Gap (in Rs./unit)	1.01	3.31	21
B.3	Average Hours of Supply- Agriculture (Mins/day)	420.00	0.42	16
58.	**ENERGY EQUITY**			
A.	**Energy Access**			
A.1	Access to Electricity %	100	2.55	14
A.2	LPG + PNG Connections against number of HHs %	1.08	1.24	17
B.	**Affordability**			
B.1	ACS	6.51	2.80	19
B.2	Non-Subsidized LPG Price (Rs/14.2 kg Cylinder)	1135.5	0.81	15
B.3	Petrol Prices in Rs/litre	111.87	0.00	28
B.4	Diesel Prices in Rs./litre	99.61	0.00	28
B.5	PAT/Revenue	1.10	2.92	5
C.	**Performance of Utilities**			
C.1	PAT/ Revenue (%)	-0.12	2.43	17
C.2	Overdue/ Cost of Power (%)	0.22	1.84	20
C.3	Payables for Power Purchase (Days)	217.00	1.55	17
C.4	Tariff Subsidy Billed/ Total Revenue (%)	0.25	1.16	20
59.	**ENVIRONMENTAL SUSTAINABILITY**			
A.	**Energy Resource Productivity**			
A.1	Energy Efficiency Score	77.5	2.86	2
A.2	Performance of Clean Energy (Capacity/Potential) in %	8.16	0.95	9
A.3	Energy intensity (kgoe/GDP in 1000 INR)-Data	2.70	0.31	27
B.	**Decorbonisation**			
B.1	CO2 saved from LED Bulbs/1000 population (tonnes)	43.62	1.49	10
B.2	% of Forest Cover (Forest Cover wrt total area)	18.28	0.83	21
C.	**Emissions and Pollution**			
C.1	Emission Intensity (kgCO2eq/ GSDP in 1000 INR)	0.01	2.57	19
C.2	Air Quality Index	63.00	1.62	9
C.3	EV Penetration (%)	NA	NA	NA

No.	Indicator	Value	Score	Rank
60.	**STATE CONTEXT**			
A.	**Macroeconomic Environment**			
A.1	Growth rate of GSDP	11.92	2.87	4
A.2	FDI Equity Inflows (in USD Million)	796.00	0.05	12
A.3	States' Ranking: Start up Index*	20.00	0.00	22
B.	**Regulations, Institutions & Governance**			
B.1	Multidimensional Poverty Index	0.03	1.74	9
B.2	Good Governance Index	4.47	1.77	23
B.3	SDG Index	72	2.66	7
C.	**Stability for Investment & Innovation**			
C.1	Innovation Score as per India Innovation Index	13.32	0.86	17
C.2	Logistic Index	90.00	3.06	4
C.3	Investment Opportunities (in USD Billion)	182.77	1.42	2

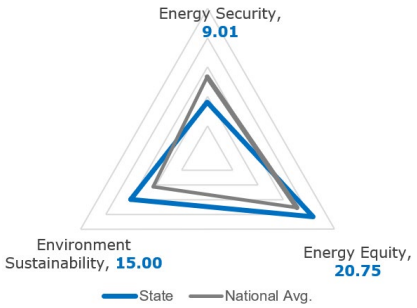
**100= Best performer; 80= Top Performer; 60= Leaders; 40=Aspiring Leaders; 20=Emerging States; 10= Beginners*

Tripura

16
Rank

54.66
Overall Score

Dimension	Score	Rank
Energy Security	9.01	26
Energy Equity	20.75	8
Environmental Sustainability	15.00	3
State Context	9.90	19



Note – Dimension wise scores are out of 25

No.	Indicator	Value	Score	Rank
61.	**ENERGY SECURITY**			
A.	**Electricity Diversity and Power Supply Position**			
A.1	Diversity of Electricity Installed Capacity (ECMI Index)	0.29	0.45	24
A.2	Share of RE in total installed capacity (%)	5.71	0.06	25
A.3	Installed generating capacity (Growth Rate in %)	-5.93	0.11	27
A.4	Electricity consumption per capita (in kWh)	434.99	0.06	25
A.5	Energy not supplied (Deficit) in %	0.00	2.08	4
A.6	Installed Capacity/ Peak Demand	1.77	0.42	10
B.	**Viability of Energy/Electricity Systems in the State**			
B.1	AT & C Losses (in %)	37.36	1.74	24
B.2	ACS-ARR Gap (in Rs./unit)	-0.01	4.09	4
B.3	Average Hours of Supply- Agriculture (Mins/day)	NA	NA	NA
62.	**ENERGY EQUITY**			
A.	**Energy Access**			
A.1	Access to Electricity %	100	2.60	6
A.2	LPG + PNG Connections against number of HHs %	0.88	0.73	24
B.	**Affordability**			
B.1	ACS	4.83	3.88	5
B.2	Non-Subsidized LPG Price (Rs/14.2 kg Cylinder)	1263.5	0.00	28
B.3	Petrol Prices in Rs/litre	99.49	0.67	13
B.4	Diesel Prices in Rs./litre	88.44	0.67	9
B.5	PAT/Revenue	1.78	2.55	20
C.	**Performance of Utilities**			
C.1	PAT/ Revenue (%)	0.00	2.58	4
C.2	Overdue/ Cost of Power (%)	0.07	2.37	14
C.3	Payables for Power Purchase (Days)	63.00	2.31	4
C.4	Tariff Subsidy Billed/ Total Revenue (%)	0.04	2.39	7
63.	**ENVIRONMENTAL SUSTAINABILITY**			
A.	**Energy Resource Productivity**			
A.1	Energy Efficiency Score	22.5	0.61	19
A.2	Performance of Clean Energy (Capacity/Potential) in %	1.58	0.17	20
A.3	Energy intensity (kgoe/GDP in 1000 INR)-Data	1.00	2.97	3
B.	**Decorbonisation**			
B.1	CO2 saved from LED Bulbs/1000 population (tonnes)	26.75	0.84	16
B.2	% of Forest Cover (Forest Cover wrt total area)	73.64	4.06	6
C.	**Emissions and Pollution**			
C.1	Emission Intensity (kgCO2eq/ GSDP in 1000 INR)	0.00	3.13	5
C.2	Air Quality Index	82.00	1.37	15
C.3	EV Penetration (%)	2.23	1.85	2

No.	Indicator	Value	Score	Rank
64.	**STATE CONTEXT**			
A.	**Macroeconomic Environment**			
A.1	Growth rate of GSDP	10.41	2.41	8
A.2	FDI Equity Inflows (in USD Million)	0.56	0.00	24
A.3	States' Ranking: Start up Index*	40.00	0.78	16
B.	**Regulations, Institutions & Governance**			
B.1	Multidimensional Poverty Index	0.06	1.37	18
B.2	Good Governance Index	4.51	1.84	21
B.3	SDG Index	65	1.77	15
C.	**Stability for Investment & Innovation**			
C.1	Innovation Score as per India Innovation Index	11.43	0.17	24
C.2	Logistic Index	80.00	1.56	15
C.3	Investment Opportunities (in USD Billion)	24.06	0.00	28

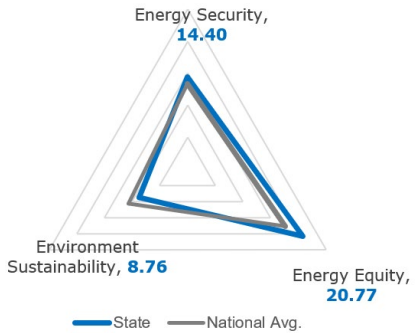
**100= Best performer; 80= Top Performer; 60= Leaders; 40=Aspiring Leaders; 20=Emerging States; 10= Beginners*

West Bengal

17
Rank

52.66
Overall Score

Dimension	Score	Rank
Energy Security	14.40	10
Energy Equity	20.77	7
Environmental Sustainability	8.76	22
State Context	8.73	22



Note – Dimension wise scores are out of 25

No.	Indicator	Value	Score	Rank
65.	**ENERGY SECURITY**			
A.	**Electricity Diversity and Power Supply Position**			
A.1	Diversity of Electricity Installed Capacity (ECMI Index)	0.33	0.55	23
A.2	Share of RE in total installed capacity (%)	5.80	0.06	24
A.3	Installed generating capacity (Growth Rate in %)	0.34	0.53	22
A.4	Electricity consumption per capita (in kWh)	733.42	0.24	20
A.5	Energy not supplied (Deficit) in %	0.10	2.03	8
A.6	Installed Capacity/ Peak Demand	1.06	0.12	22
B.	**Viability of Energy/Electricity Systems in the State**			
B.1	AT & C Losses (in %)	21.34	3.58	14
B.2	ACS-ARR Gap (in Rs./unit)	0.96	3.38	18
B.3	Average Hours of Supply- Agriculture (Mins/day)	1,380.00	3.91	6
66.	**ENERGY EQUITY**			
A.	**Energy Access**			
A.1	Access to Electricity %	100	2.58	11
A.2	LPG + PNG Connections against number of HHs %	1.17	1.48	12
B.	**Affordability**			
B.1	ACS	6.12	3.06	14
B.2	Non-Subsidized LPG Price (Rs/14.2 kg Cylinder)	1129	0.86	11
B.3	Petrol Prices in Rs/litre	106.03	0.32	21
B.4	Diesel Prices in Rs./litre	92.76	0.41	17
B.5	PAT/Revenue	1.08	2.96	3
C.	**Performance of Utilities**			
C.1	PAT/ Revenue (%)	-0.09	2.48	11
C.2	Overdue/ Cost of Power (%)	0.00	2.57	4
C.3	Payables for Power Purchase (Days)	175.00	1.76	12
C.4	Tariff Subsidy Billed/ Total Revenue (%)	0.05	2.29	9
67.	**ENVIRONMENTAL SUSTAINABILITY**			
A.	**Energy Resource Productivity**			
A.1	Energy Efficiency Score	28.5	0.85	16
A.2	Performance of Clean Energy (Capacity/Potential) in %	7.54	0.88	11
A.3	Energy intensity (kgoe/GDP in 1000 INR)-Data	1.60	2.01	9
B.	**Decorbonisation**			
B.1	CO2 saved from LED Bulbs/1000 population (tonnes)	9.80	0.15	26
B.2	% of Forest Cover (Forest Cover wrt total area)	18.96	0.88	19
C.	**Emissions and Pollution**			
C.1	Emission Intensity (kgCO2eq/ GSDP in 1000 INR)	0.02	2.47	23
C.2	Air Quality Index	97.90	1.13	19
C.3	EV Penetration (%)	0.48	0.39	16

No.	Indicator	Value	Score	Rank
68.	**STATE CONTEXT**			
A.	**Macroeconomic Environment**			
A.1	Growth rate of GSDP	10.29	2.34	9
A.2	FDI Equity Inflows (in USD Million)	1428.18	0.08	9
A.3	States' Ranking: Start up Index*	NA	NA	NA
B.	**Regulations, Institutions & Governance**			
B.1	Multidimensional Poverty Index	0.05	1.44	15
B.2	Good Governance Index	4.52	1.84	22
B.3	SDG Index	62	1.34	17
C.	**Stability for Investment & Innovation**			
C.1	Innovation Score as per India Innovation Index	12.98	0.74	19
C.2	Logistic Index	70.00	0.00	19
C.3	Investment Opportunities (in USD Billion)	129.10	0.95	8

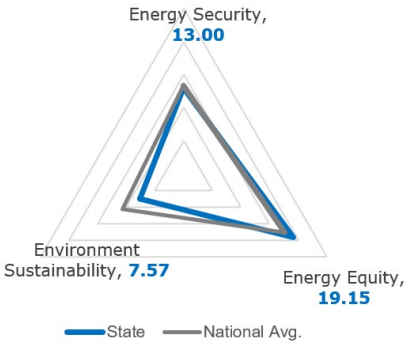
**100= Best performer; 80= Top Performer; 60= Leaders; 40=Aspiring Leaders; 20=Emerging States; 10= Beginners*

Uttar Pradesh

18
Rank

51.73
Overall Score

Dimension	Score	Rank
Energy Security	13.00	15
Energy Equity	19.15	11
Environmental Sustainability	7.57	26
State Context	12.01	14



Note – Dimension wise scores are out of 25

No.	Indicator	Value	Score	Rank
69.	**ENERGY SECURITY**			
A.	**Electricity Diversity and Power Supply Position**			
A.1	Diversity of Electricity Installed Capacity (ECMI Index)	0.50	1.01	17
A.2	Share of RE in total installed capacity (%)	15.98	0.44	15
A.3	Installed generating capacity (Growth Rate in %)	4.45	0.78	11
A.4	Electricity consumption per capita (in kWh)	662.91	0.20	22
A.5	Energy not supplied (Deficit) in %	0.80	1.79	21
A.6	Installed Capacity/ Peak Demand	1.09	0.13	21
B.	**Viability of Energy/Electricity Systems in the State**			
B.1	AT & C Losses (in %)	27.43	2.79	20
B.2	ACS-ARR Gap (in Rs./unit)	0.94	3.29	22
B.3	Average Hours of Supply- Agriculture (Mins/day)	1,038.00	2.59	10
70.	**ENERGY EQUITY**			
A.	**Energy Access**			
A.1	Access to Electricity %	100	2.50	17
A.2	LPG + PNG Connections against number of HHs %	1.20	1.51	9
B.	**Affordability**			
B.1	ACS	6.86	2.54	24
B.2	Non-Subsidized LPG Price (Rs/14.2 kg Cylinder)	1140.5	0.76	16
B.3	Petrol Prices in Rs/litre	96.57	0.80	6
B.4	Diesel Prices in Rs./litre	89.76	0.57	13
B.5	PAT/Revenue	1.58	2.57	19
C.	**Performance of Utilities**			
C.1	PAT/ Revenue (%)	-0.13	2.37	23
C.2	Overdue/ Cost of Power (%)	0.14	2.06	17
C.3	Payables for Power Purchase (Days)	208.00	1.56	16
C.4	Tariff Subsidy Billed/ Total Revenue (%)	0.11	1.91	12
71.	**ENVIRONMENTAL SUSTAINABILITY**			
A.	**Energy Resource Productivity**			
A.1	Energy Efficiency Score	49	1.65	10
A.2	Performance of Clean Energy (Capacity/Potential) in %	18.09	2.08	4
A.3	Energy intensity (kgoe/GDP in 1000 INR)-Data	2.60	0.45	24
B.	**Decorbonisation**			
B.1	CO2 saved from LED Bulbs/1000 population (tonnes)	11.74	0.22	23
B.2	% of Forest Cover (Forest Cover wrt total area)	6.15	0.14	25
C.	**Emissions and Pollution**			
C.1	Emission Intensity (kgCO2eq/ GSDP in 1000 INR)	0.02	2.24	24
C.2	Air Quality Index	125.67	0.70	23
C.3	EV Penetration (%)	0.12	0.09	19

No.	Indicator	Value	Score	Rank
72.	**STATE CONTEXT**			
A.	**Macroeconomic Environment**			
A.1	Growth rate of GSDP	7.65	1.38	20
A.2	FDI Equity Inflows (in USD Million)	1301.36	0.07	10
A.3	States' Ranking: Start up Index*	60.00	1.50	12
B.	**Regulations, Institutions & Governance**			
B.1	Multidimensional Poverty Index	0.10	0.72	25
B.2	Good Governance Index	4.63	1.90	18
B.3	SDG Index	60	1.04	24
C.	**Stability for Investment & Innovation**			
C.1	Innovation Score as per India Innovation Index	14.22	1.16	14
C.2	Logistic Index	90.00	3.00	6
C.3	Investment Opportunities (in USD Billion)	163.67	1.23	4

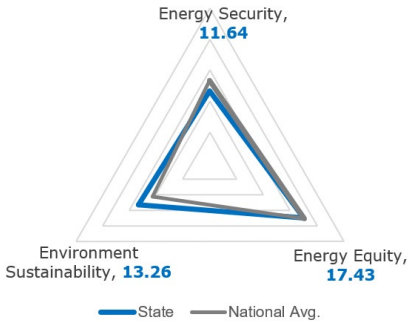
**100= Best performer; 80= Top Performer; 60= Leaders; 40=Aspiring Leaders; 20=Emerging States; 10= Beginners*

Arunachal Pradesh

19
Rank

51.47
Overall Score

Dimension	Score	Rank
Energy Security	11.64	23
Energy Equity	17.43	17
Environmental Sustainability	13.26	9
State Context	9.14	21



Note – Dimension wise scores are out of 25

No.	Indicator	Value	Score	Rank
73.	**ENERGY SECURITY**			
A.	**Electricity Diversity and Power Supply Position**			
A.1	Diversity of Electricity Installed Capacity (ECMI Index)	0.45	0.97	18
A.2	Share of RE in total installed capacity (%)	18.72	0.60	12
A.3	Installed generating capacity (Growth Rate in %)	23.08	2.21	1
A.4	Electricity consumption per capita (in kWh)	644.92	0.21	21
A.5	Energy not supplied (Deficit) in %	2.20	1.57	24
A.6	Installed Capacity/ Peak Demand	4.66	1.75	2
B.	**Viability of Energy/Electricity Systems in the State**			
B.1	AT & C Losses (in %)	52.21	0.00	28
B.2	ACS-ARR Gap (in Rs./unit)	0.00	4.33	2
B.3	Average Hours of Supply- Agriculture (Mins/day)	NA	NA	NA
74.	**ENERGY EQUITY**			
A.	**Energy Access**			
A.1	Access to Electricity %	100	2.76	3
A.2	LPG + PNG Connections against number of HHs %	0.93	0.93	20
B.	**Affordability**			
B.1	ACS	7.14	2.62	23
B.2	Non-Subsidized LPG Price (Rs/14.2 kg Cylinder)	1168.5	0.65	21
B.3	Petrol Prices in Rs/litre	92.76	1.10	1
B.4	Diesel Prices in Rs./litre	82.18	1.10	2
B.5	PAT/Revenue	NA	NA	NA
C.	**Performance of Utilities**			
C.1	PAT/ Revenue (%)	0.00	2.74	2
C.2	Overdue/ Cost of Power (%)	0.00	2.76	2
C.3	Payables for Power Purchase (Days)	NA	NA	NA
C.4	Tariff Subsidy Billed/ Total Revenue (%)	0.00	2.76	2
75.	**ENVIRONMENTAL SUSTAINABILITY**			
A.	**Energy Resource Productivity**			
A.1	Energy Efficiency Score	14	0.27	25
A.2	Performance of Clean Energy (Capacity/Potential) in %	1.32	0.15	21
A.3	Energy intensity (kgoe/GDP in 1000 INR)-Data	1.70	1.99	10
B.	**Decorbonisation**			
B.1	CO2 saved from LED Bulbs/1000 population (tonnes)	33.64	1.19	14
B.2	% of Forest Cover (Forest Cover wrt total area)	79.33	4.65	2
C.	**Emissions and Pollution**			
C.1	Emission Intensity (kgCO2eq/ GSDP in 1000 INR)	0.00	3.23	4
C.2	Air Quality Index	60.50	1.79	3
C.3	EV Penetration (%)	0.01	0.00	25

No.	Indicator	Value	Score	Rank
76.	**STATE CONTEXT**			
A.	**Macroeconomic Environment**			
A.1	Growth rate of GSDP	11.06	2.79	6
A.2	FDI Equity Inflows (in USD Million)	5.55	0.00	21
A.3	States' Ranking: Start up Index*	60.00	1.66	8
B.	**Regulations, Institutions & Governance**			
B.1	Multidimensional Poverty Index	0.06	1.41	16
B.2	Good Governance Index	2.84	0.00	28
B.3	SDG Index	60	1.15	22
C.	**Stability for Investment & Innovation**			
C.1	Innovation Score as per India Innovation Index	15.46	1.77	8
C.2	Logistic Index	70.00	0.00	19
C.3	Investment Opportunities (in USD Billion)	59.67	0.35	17

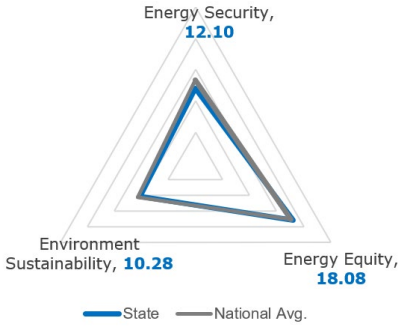
**100= Best performer; 80= Top Performer; 60= Leaders; 40=Aspiring Leaders; 20=Emerging States; 10= Beginners*

Manipur

20
Rank

51.30
Overall Score

Dimension	Score	Rank
Energy Security	12.10	21
Energy Equity	18.08	14
Environmental Sustainability	10.28	18
State Context	10.84	17



Note – Dimension wise scores are out of 25

No.	Indicator	Value	Score	Rank
77.	**ENERGY SECURITY**			
A.	**Electricity Diversity and Power Supply Position**			
A.1	Diversity of Electricity Installed Capacity (ECMI Index)	0.72	1.71	2
A.2	Share of RE in total installed capacity (%)	7.44	0.12	23
A.3	Installed generating capacity (Growth Rate in %)	-2.06	0.37	26
A.4	Electricity consumption per capita (in kWh)	361.99	0.02	27
A.5	Energy not supplied (Deficit) in %	0.20	2.03	9
A.6	Installed Capacity/ Peak Demand	0.96	0.08	25
B.	**Viability of Energy/Electricity Systems in the State**			
B.1	AT & C Losses (in %)	20.32	3.74	12
B.2	ACS-ARR Gap (in Rs./unit)	0.07	4.03	5
B.3	Average Hours of Supply- Agriculture (Mins/day)	NA	NA	NA
78.	**ENERGY EQUITY**			
A.	**Energy Access**			
A.1	Access to Electricity %	100	2.60	6
A.2	LPG + PNG Connections against number of HHs %	1.09	1.29	16
B.	**Affordability**			
B.1	ACS	6.70	2.74	20
B.2	Non-Subsidized LPG Price (Rs/14.2 kg Cylinder)	1254.5	0.06	27
B.3	Petrol Prices in Rs/litre	101.19	0.58	15
B.4	Diesel Prices in Rs./litre	87.13	0.75	6
B.5	PAT/Revenue	1.18	2.93	4
C.	**Performance of Utilities**			
C.1	PAT/ Revenue (%)	-0.03	2.55	8
C.2	Overdue/ Cost of Power (%)	0.15	2.11	16
C.3	Payables for Power Purchase (Days)	129.00	2.00	11
C.4	Tariff Subsidy Billed/ Total Revenue (%)	0.37	0.47	27
79.	**ENVIRONMENTAL SUSTAINABILITY**			
A.	**Energy Resource Productivity**			
A.1	Energy Efficiency Score	8	0.00	27
A.2	Performance of Clean Energy (Capacity/Potential) in %	0.17	0.00	28
A.3	Energy intensity (kgoe/GDP in 1000 INR)-Data	1.60	2.03	8
B.	**Decorbonisation**			
B.1	CO2 saved from LED Bulbs/1000 population (tonnes)	9.79	0.15	25
B.2	% of Forest Cover (Forest Cover wrt total area)	74.34	4.10	5
C.	**Emissions and Pollution**			
C.1	Emission Intensity (kgCO2eq/ GSDP in 1000 INR)	0.00	3.04	7
C.2	Air Quality Index	123.00	0.77	22
C.3	EV Penetration (%)	0.24	0.19	18

No.	Indicator	Value	Score	Rank
80.	**STATE CONTEXT**			
A.	**Macroeconomic Environment**			
A.1	Growth rate of GSDP	11.80	2.89	3
A.2	FDI Equity Inflows (in USD Million)	0.00	0.00	26
A.3	States' Ranking: Start up Index*	40.00	0.78	16
B.	**Regulations, Institutions & Governance**			
B.1	Multidimensional Poverty Index	0.03	1.66	11
B.2	Good Governance Index	3.49	0.72	26
B.3	SDG Index	64	1.63	16
C.	**Stability for Investment & Innovation**			
C.1	Innovation Score as per India Innovation Index	19.37	3.13	1
C.2	Logistic Index	70.00	0.00	19
C.3	Investment Opportunities (in USD Billion)	28.12	0.04	24

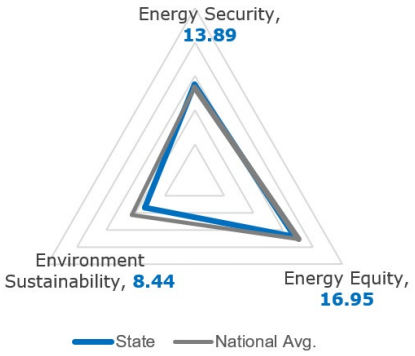
**100= Best performer; 80= Top Performer; 60= Leaders; 40=Aspiring Leaders; 20=Emerging States; 10= Beginners*

Rajasthan

21
Rank

49.54
Overall Score

Dimension	Score	Rank
Energy Security	13.89	13
Energy Equity	16.95	22
Environmental Sustainability	8.44	23
State Context	10.26	18



Note – Dimension wise scores are out of 25

No.	Indicator	Value	Score	Rank
81.	**ENERGY SECURITY**			
A.	**Electricity Diversity and Power Supply Position**			
A.1	Diversity of Electricity Installed Capacity (ECMI Index)	0.56	1.21	13
A.2	Share of RE in total installed capacity (%)	57.43	2.00	1
A.3	Installed generating capacity (Growth Rate in %)	14.63	1.45	2
A.4	Electricity consumption per capita (in kWh)	1345.30	0.60	14
A.5	Energy not supplied (Deficit) in %	1.90	1.50	25
A.6	Installed Capacity/ Peak Demand	2.24	0.60	4
B.	**Viability of Energy/Electricity Systems in the State**			
B.1	AT & C Losses (in %)	26.18	2.93	17
B.2	ACS-ARR Gap (in Rs./unit)	0.69	3.46	17
B.3	Average Hours of Supply- Agriculture (Mins/day)	348.50	0.16	18
82.	**ENERGY EQUITY**			
A.	**Energy Access**			
A.1	Access to Electricity %	100	2.50	17
A.2	LPG + PNG Connections against number of HHs %	1.16	1.41	14
B.	**Affordability**			
B.1	ACS	6.68	2.64	22
B.2	Non-Subsidized LPG Price (Rs/14.2 kg Cylinder)	1106.5	0.98	4
B.3	Petrol Prices in Rs/litre	108.48	0.18	24
B.4	Diesel Prices in Rs./litre	93.72	0.34	18
B.5	PAT/Revenue	1.16	2.83	10
C.	**Performance of Utilities**			
C.1	PAT/ Revenue (%)	-0.10	2.40	21
C.2	Overdue/ Cost of Power (%)	0.33	1.45	24
C.3	Payables for Power Purchase (Days)	256.00	1.35	20
C.4	Tariff Subsidy Billed/ Total Revenue (%)	0.30	0.88	23
83.	**ENVIRONMENTAL SUSTAINABILITY**			
A.	**Energy Resource Productivity**			
A.1	Energy Efficiency Score	67	2.38	5
A.2	Performance of Clean Energy (Capacity/Potential) in %	8.26	0.94	10
A.3	Energy intensity (kgoe/GDP in 1000 INR)-Data	2.50	0.60	23
B.	**Decorbonisation**			
B.1	CO2 saved from LED Bulbs/1000 population (tonnes)	22.49	0.64	17
B.2	% of Forest Cover (Forest Cover wrt total area)	4.87	0.07	26
C.	**Emissions and Pollution**			
C.1	Emission Intensity (kgCO2eq/ GSDP in 1000 INR)	0.02	2.48	21
C.2	Air Quality Index	138.50	0.52	25
C.3	EV Penetration (%)	1.03	0.82	6

No.	Indicator	Value	Score	Rank
84.	**STATE CONTEXT**			
A.	**Macroeconomic Environment**			
A.1	Growth rate of GSDP	9.48	2.00	16
A.2	FDI Equity Inflows (in USD Million)	2078.30	0.12	8
A.3	States' Ranking: Start up Index*	40.00	0.75	19
B.	**Regulations, Institutions & Governance**			
B.1	Multidimensional Poverty Index	0.07	1.20	20
B.2	Good Governance Index	4.88	2.17	13
B.3	SDG Index	60	1.04	24
C.	**Stability for Investment & Innovation**			
C.1	Innovation Score as per India Innovation Index	12.88	0.68	20
C.2	Logistic Index	80.00	1.50	17
C.3	Investment Opportunities (in USD Billion)	115.02	0.80	9

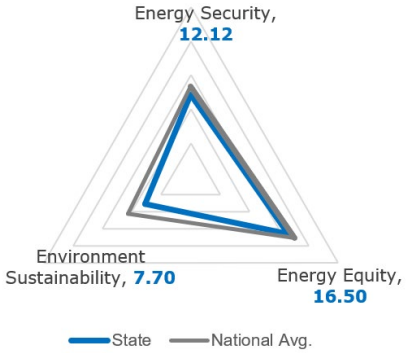
**100= Best performer; 80= Top Performer; 60= Leaders; 40=Aspiring Leaders; 20=Emerging States; 10= Beginners*

Madhya Pradesh

22
Rank

47.91
Overall Score

Dimension	Score	Rank
Energy Security	12.12	20
Energy Equity	16.50	24
Environmental Sustainability	7.70	25
State Context	11.59	16



Note – Dimension wise scores are out of 25

No.	Indicator	Value	Score	Rank
85.	**ENERGY SECURITY**			
A.	**Electricity Diversity and Power Supply Position**			
A.1	Diversity of Electricity Installed Capacity (ECMI Index)	0.51	1.08	16
A.2	Share of RE in total installed capacity (%)	23.03	0.72	10
A.3	Installed generating capacity (Growth Rate in %)	2.39	0.66	16
A.4	Electricity consumption per capita (in kWh)	1231.83	0.54	15
A.5	Energy not supplied (Deficit) in %	0.40	1.93	17
A.6	Installed Capacity/ Peak Demand	1.48	0.29	13
B.	**Viability of Energy/Electricity Systems in the State**			
B.1	AT & C Losses (in %)	41.47	1.23	25
B.2	ACS-ARR Gap (in Rs./unit)	1.23	3.16	24
B.3	Average Hours of Supply- Agriculture (Mins/day)	1,001.00	2.51	11
86.	**ENERGY EQUITY**			
A.	**Energy Access**			
A.1	Access to Electricity %	100	2.55	14
A.2	LPG + PNG Connections against number of HHs %	0.94	0.86	21
B.	**Affordability**			
B.1	ACS	5.85	3.19	12
B.2	Non-Subsidized LPG Price (Rs/14.2 kg Cylinder)	1108.5	0.98	2
B.3	Petrol Prices in Rs/litre	108.65	0.17	25
B.4	Diesel Prices in Rs./litre	93.90	0.33	19
B.5	PAT/Revenue	1.36	2.76	14
C.	**Performance of Utilities**			
C.1	PAT/ Revenue (%)	-0.16	2.39	22
C.2	Overdue/ Cost of Power (%)	0.24	1.76	21
C.3	Payables for Power Purchase (Days)	230.00	1.49	19
C.4	Tariff Subsidy Billed/ Total Revenue (%)	0.46	0.00	28
87.	**ENVIRONMENTAL SUSTAINABILITY**			
A.	**Energy Resource Productivity**			
A.1	Energy Efficiency Score	39	1.27	12
A.2	Performance of Clean Energy (Capacity/Potential) in %	7.44	0.86	13
A.3	Energy intensity (kgoe/GDP in 1000 INR)-Data	2.40	0.77	21
B.	**Decorbonisation**			
B.1	CO2 saved from LED Bulbs/1000 population (tonnes)	21.35	0.61	19
B.2	% of Forest Cover (Forest Cover wrt total area)	25.14	1.22	16
C.	**Emissions and Pollution**			
C.1	Emission Intensity (kgCO2eq/ GSDP in 1000 INR)	0.03	1.80	25
C.2	Air Quality Index	94.00	1.17	17
C.3	EV Penetration (%)	NA	NA	NA

No.	Indicator	Value	Score	Rank
88.	**STATE CONTEXT**			
A.	**Macroeconomic Environment**			
A.1	Growth rate of GSDP	12.46	3.06	2
A.2	FDI Equity Inflows (in USD Million)	529.90	0.03	14
A.3	States' Ranking: Start up Index*	40.00	0.77	18
B.	**Regulations, Institutions & Governance**			
B.1	Multidimensional Poverty Index	0.09	0.90	24
B.2	Good Governance Index	4.89	2.22	11
B.3	SDG Index	62	1.33	18
C.	**Stability for Investment & Innovation**			
C.1	Innovation Score as per India Innovation Index	12.74	0.65	21
C.2	Logistic Index	80.00	1.53	16
C.3	Investment Opportunities (in USD Billion)	145.81	1.09	6

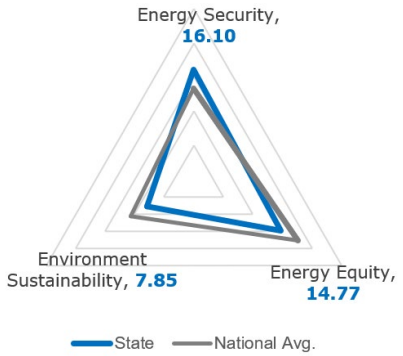
**100= Best performer; 80= Top Performer; 60= Leaders; 40=Aspiring Leaders; 20=Emerging States; 10= Beginners*

Chhattisgarh

23
Rank

46.40
Overall Score

Dimension	Score	Rank
Energy Security	16.10	6
Energy Equity	14.77	25
Environmental Sustainability	7.85	24
State Context	7.68	25



Note – Dimension wise scores are out of 25

No.	Indicator	Value	Score	Rank
89.	**ENERGY SECURITY**			
A.	**Electricity Diversity and Power Supply Position**			
A.1	Diversity of Electricity Installed Capacity (ECMI Index)	0.22	0.21	26
A.2	Share of RE in total installed capacity (%)	9.42	0.19	19
A.3	Installed generating capacity (Growth Rate in %)	-0.43	0.46	25
A.4	Electricity consumption per capita (in kWh)	2211.48	1.11	6
A.5	Energy not supplied (Deficit) in %	0.20	1.95	16
A.6	Installed Capacity/ Peak Demand	2.59	0.74	3
B.	**Viability of Energy/Electricity Systems in the State**			
B.1	AT & C Losses (in %)	19.65	3.67	13
B.2	ACS-ARR Gap (in Rs./unit)	0.20	3.78	14
B.3	Average Hours of Supply- Agriculture (Mins/day)	1,440.00	4.00	3
90.	**ENERGY EQUITY**			
A.	**Energy Access**			
A.1	Access to Electricity %	99.67	0.00	28
A.2	LPG + PNG Connections against number of HHs %	0.85	0.65	26
B.	**Affordability**			
B.1	ACS	4.72	3.79	6
B.2	Non-Subsidized LPG Price (Rs/14.2 kg Cylinder)	1174	0.56	23
B.3	Petrol Prices in Rs/litre	102.45	0.49	18
B.4	Diesel Prices in Rs./litre	95.44	0.24	25
B.5	PAT/Revenue	1.85	2.41	22
C.	**Performance of Utilities**			
C.1	PAT/ Revenue (%)	-0.02	2.46	12
C.2	Overdue/ Cost of Power (%)	0.29	1.59	22
C.3	Payables for Power Purchase (Days)	202.00	1.59	15
C.4	Tariff Subsidy Billed/ Total Revenue (%)	0.28	0.99	21
91.	**ENVIRONMENTAL SUSTAINABILITY**			
A.	**Energy Resource Productivity**			
A.1	Energy Efficiency Score	47.5	1.59	11
A.2	Performance of Clean Energy (Capacity/Potential) in %	6.51	0.74	14
A.3	Energy intensity (kgoe/GDP in 1000 INR)-Data	2.90	0.00	28
B.	**Decorbonisation**			
B.1	CO2 saved from LED Bulbs/1000 population (tonnes)	37.72	1.23	11
B.2	% of Forest Cover (Forest Cover wrt total area)	41.21	2.09	11
C.	**Emissions and Pollution**			
C.1	Emission Intensity (kgCO2eq/ GSDP in 1000 INR)	0.08	0.00	28
C.2	Air Quality Index	64.00	1.57	10
C.3	EV Penetration (%)	0.80	0.63	9

No.	Indicator	Value	Score	Rank
92.	**STATE CONTEXT**			
A.	**Macroeconomic Environment**			
A.1	Growth rate of GSDP	9.24	1.92	17
A.2	FDI Equity Inflows (in USD Million)	3.38	0.00	22
A.3	States' Ranking: Start up Index*	40.00	0.75	19
B.	**Regulations, Institutions & Governance**			
B.1	Multidimensional Poverty Index	0.07	1.14	21
B.2	Good Governance Index	4.86	2.15	15
B.3	SDG Index	61	1.17	20
C.	**Stability for Investment & Innovation**			
C.1	Innovation Score as per India Innovation Index	10.97	0.00	28
C.2	Logistic Index	70.00	0.00	19
C.3	Investment Opportunities (in USD Billion)	86.60	0.55	13

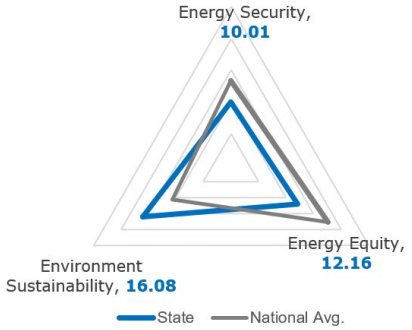
**100= Best performer; 80= Top Performer; 60= Leaders; 40=Aspiring Leaders; 20=Emerging States; 10= Beginners*

Mizoram

24
Rank

46.15
Overall Score

Dimension	Score	Rank
Energy Security	10.01	25
Energy Equity	12.16	28
Environmental Sustainability	16.08	1
State Context	7.90	24



Note – Dimension wise scores are out of 25

No.	Indicator	Value	Score	Rank
93.	**ENERGY SECURITY**			
A.	**Electricity Diversity and Power Supply Position**			
A.1	Diversity of Electricity Installed Capacity (ECMI Index)	0.62	1.57	4
A.2	Share of RE in total installed capacity (%)	30.34	1.12	6
A.3	Installed generating capacity (Growth Rate in %)	4.08	0.87	9
A.4	Electricity consumption per capita (in kWh)	581.89	0.17	23
A.5	Energy not supplied (Deficit) in %	0.00	2.29	2
A.6	Installed Capacity/ Peak Demand	1.52	0.35	12
B.	**Viability of Energy/Electricity Systems in the State**			
B.1	AT & C Losses (in %)	29.05	2.98	16
B.2	ACS-ARR Gap (in Rs./unit)	4.94	0.68	27
B.3	Average Hours of Supply- Agriculture (Mins/day)	NA	NA	NA
94.	**ENERGY EQUITY**			
A.	**Energy Access**			
A.1	Access to Electricity %	100	2.86	2
A.2	LPG + PNG Connections against number of HHs %	1.25	1.87	4
B.	**Affordability**			
B.1	ACS	11.19	0.00	28
B.2	Non-Subsidized LPG Price (Rs/14.2 kg Cylinder)	1255	0.06	25
B.3	Petrol Prices in Rs/litre	95.73	0.97	2
B.4	Diesel Prices in Rs./litre	82.18	1.14	1
B.5	PAT/Revenue	NA	NA	NA
C.	**Performance of Utilities**			
C.1	PAT/ Revenue (%)	-0.79	2.09	27
C.2	Overdue/ Cost of Power (%)	0.09	2.53	7
C.3	Payables for Power Purchase (Days)	NA	NA	NA
C.4	Tariff Subsidy Billed/ Total Revenue (%)	0.36	0.63	26
95.	**ENVIRONMENTAL SUSTAINABILITY**			
A.	**Energy Resource Productivity**			
A.1	Energy Efficiency Score	8.5	0.02	26
A.2	Performance of Clean Energy (Capacity/Potential) in %	0.79	0.08	24
A.3	Energy intensity (kgoe/GDP in 1000 INR)-Data	1.10	3.09	2
B.	**Decorbonisation**			
B.1	CO2 saved from LED Bulbs/1000 population (tonnes)	52.28	2.06	5
B.2	% of Forest Cover (Forest Cover wrt total area)	84.53	5.14	1
C.	**Emissions and Pollution**			
C.1	Emission Intensity (kgCO2eq/ GSDP in 1000 INR)	0.00	3.38	2
C.2	Air Quality Index	33.80	2.29	2
C.3	EV Penetration (%)	0.04	0.02	21

No.	Indicator	Value	Score	Rank
96.	**STATE CONTEXT**			
A.	**Macroeconomic Environment**			
A.1	Growth rate of GSDP	3.55	0.00	28
A.2	FDI Equity Inflows (in USD Million)	NA	NA	NA
A.3	States' Ranking: Start up Index*	20.00	0.00	22
B.	**Regulations, Institutions & Governance**			
B.1	Multidimensional Poverty Index	0.02	1.97	4
B.2	Good Governance Index	4.87	2.47	6
B.3	SDG Index	68	2.39	9
C.	**Stability for Investment & Innovation**			
C.1	Innovation Score as per India Innovation Index	13.41	1.00	15
C.2	Logistic Index	70.00	0.00	19
C.3	Investment Opportunities (in USD Billion)	32.49	0.08	23

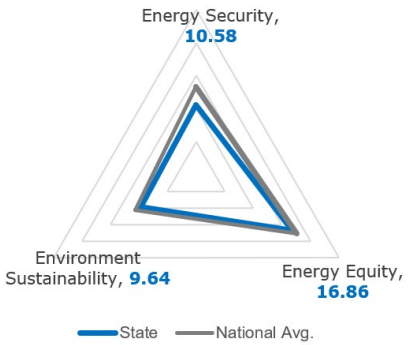
**100= Best performer; 80= Top Performer; 60= Leaders; 40=Aspiring Leaders; 20=Emerging States; 10= Beginners*

Meghalaya

25
Rank

45.34
Overall Score

Dimension	Score	Rank
Energy Security	10.58	24
Energy Equity	16.86	23
Environmental Sustainability	9.64	20
State Context	8.26	23



Note – Dimension wise scores are out of 25

No.	Indicator	Value	Score	Rank
97.	**ENERGY SECURITY**			
A.	**Electricity Diversity and Power Supply Position**			
A.1	Diversity of Electricity Installed Capacity (ECMI Index)	0.39	0.74	20
A.2	Share of RE in total installed capacity (%)	8.74	0.17	21
A.3	Installed generating capacity (Growth Rate in %)	-0.20	0.50	24
A.4	Electricity consumption per capita (in kWh)	751.33	0.26	19
A.5	Energy not supplied (Deficit) in %	0.00	2.08	4
A.6	Installed Capacity/ Peak Demand	1.43	0.28	15
B.	**Viability of Energy/Electricity Systems in the State**			
B.1	AT & C Losses (in %)	28.79	2.75	21
B.2	ACS-ARR Gap (in Rs./unit)	0.40	3.80	12
B.3	Average Hours of Supply- Agriculture (Mins/day)	NA	NA	NA
98.	**ENERGY EQUITY**			
A.	**Energy Access**			
A.1	Access to Electricity %	100	2.60	6
A.2	LPG + PNG Connections against number of HHs %	0.59	0.00	28
B.	**Affordability**			
B.1	ACS	5.12	3.70	7
B.2	Non-Subsidized LPG Price (Rs/14.2 kg Cylinder)	1170	0.60	22
B.3	Petrol Prices in Rs/litre	96.97	0.81	4
B.4	Diesel Prices in Rs./litre	85.21	0.86	3
B.5	PAT/Revenue	1.08	2.99	2
C.	**Performance of Utilities**			
C.1	PAT/ Revenue (%)	-0.19	2.42	19
C.2	Overdue/ Cost of Power (%)	0.78	0.00	28
C.3	Payables for Power Purchase (Days)	478.00	0.36	22
C.4	Tariff Subsidy Billed/ Total Revenue (%)	0.02	2.52	5
99.	**ENVIRONMENTAL SUSTAINABILITY**			
A.	**Energy Resource Productivity**			
A.1	Energy Efficiency Score	15	0.29	24
A.2	Performance of Clean Energy (Capacity/Potential) in %	0.83	0.08	25
A.3	Energy intensity (kgoe/GDP in 1000 INR)-Data	2.70	0.31	26
B.	**Decorbonisation**			
B.1	CO2 saved from LED Bulbs/1000 population (tonnes)	13.63	0.31	22
B.2	% of Forest Cover (Forest Cover wrt total area)	76.00	4.19	4
C.	**Emissions and Pollution**			
C.1	Emission Intensity (kgCO2eq/ GSDP in 1000 INR)	0.01	2.92	12
C.2	Air Quality Index	72.14	1.52	11
C.3	EV Penetration (%)	0.03	0.02	22

No.	Indicator	Value	Score	Rank
100.STATE CONTEXT				
A.	**Macroeconomic Environment**			
A.1	Growth rate of GSDP	6.63	1.08	23
A.2	FDI Equity Inflows (in USD Million)	1.10	0.00	23
A.3	States' Ranking: Start up Index*	100.00	3.13	1
B.	**Regulations, Institutions & Governance**			
B.1	Multidimensional Poverty Index	0.13	0.36	27
B.2	Good Governance Index	3.48	0.71	27
B.3	SDG Index	60	1.09	23
C.	**Stability for Investment & Innovation**			
C.1	Innovation Score as per India Innovation Index	16.00	1.87	6
C.2	Logistic Index	70.00	0.00	19
C.3	Investment Opportunities (in USD Billion)	27.34	0.03	25

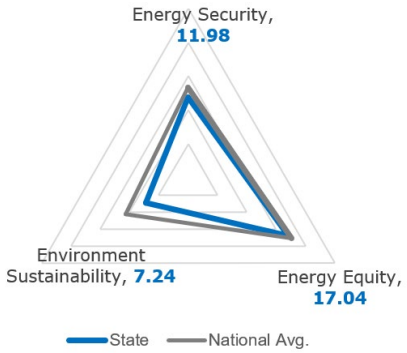
**100= Best performer; 80= Top Performer; 60= Leaders; 40=Aspiring Leaders; 20=Emerging States; 10= Beginners*

Bihar

26
Rank

41.01
Overall Score

Dimension	Score	Rank
Energy Security	11.98	22
Energy Equity	17.04	21
Environmental Sustainability	7.24	27
State Context	4.75	28



Note – Dimension wise scores are out of 25

No.	Indicator	Value	Score	Rank
101.ENERGY SECURITY				
A.	**Electricity Diversity and Power Supply Position**			
A.1	Diversity of Electricity Installed Capacity (ECMI Index)	0.14	0.00	28
A.2	Share of RE in total installed capacity (%)	5.16	0.03	26
A.3	Installed generating capacity (Growth Rate in %)	13.41	1.37	3
A.4	Electricity consumption per capita (in kWh)	328.71	0.00	28
A.5	Energy not supplied (Deficit) in %	2.00	1.47	26
A.6	Installed Capacity/ Peak Demand	0.96	0.08	26
B.	**Viability of Energy/Electricity Systems in the State**			
B.1	AT & C Losses (in %)	33.27	2.13	23
B.2	ACS-ARR Gap (in Rs./unit)	0.89	3.32	20
B.3	Average Hours of Supply- Agriculture (Mins/day)	1,320.00	3.58	8
102.ENERGY EQUITY				
A.	**Energy Access**			
A.1	Access to Electricity %	100	2.50	17
A.2	LPG + PNG Connections against number of HHs %	0.91	0.78	22
B.	**Affordability**			
B.1	ACS	6.22	2.91	16
B.2	Non-Subsidized LPG Price (Rs/14.2 kg Cylinder)	1201	0.39	24
B.3	Petrol Prices in Rs/litre	107.24	0.24	23
B.4	Diesel Prices in Rs./litre	94.04	0.32	20
B.5	PAT/Revenue	1.29	2.75	15
C.	**Performance of Utilities**			
C.1	PAT/ Revenue (%)	-0.15	2.35	24
C.2	Overdue/ Cost of Power (%)	0.14	2.05	18
C.3	Payables for Power Purchase (Days)	111.00	2.00	10
C.4	Tariff Subsidy Billed/ Total Revenue (%)	0.32	0.74	24
103.ENVIRONMENTAL SUSTAINABILITY				
A.	**Energy Resource Productivity**			
A.1	Energy Efficiency Score	21	0.52	23
A.2	Performance of Clean Energy (Capacity/Potential) in %	2.38	0.26	18
A.3	Energy intensity (kgoe/GDP in 1000 INR)-Data	1.90	1.50	17
B.	**Decorbonisation**			
B.1	CO2 saved from LED Bulbs/1000 population (tonnes)	16.27	0.40	21
B.2	% of Forest Cover (Forest Cover wrt total area)	7.84	0.23	23
C.	**Emissions and Pollution**			
C.1	Emission Intensity (kgCO2eq/ GSDP in 1000 INR)	0.02	2.48	21
C.2	Air Quality Index	129.75	0.64	24
C.3	EV Penetration (%)	1.52	1.21	4

No.	Indicator	Value	Score	Rank
104.STATE CONTEXT				
A.	**Macroeconomic Environment**			
A.1	Growth rate of GSDP	9.91	2.14	12
A.2	FDI Equity Inflows (in USD Million)	214.47	0.01	15
A.3	States' Ranking: Start up Index*	20.00	0.00	22
B.	**Regulations, Institutions & Governance**			
B.1	Multidimensional Poverty Index	0.16	0.00	28
B.2	Good Governance Index	4.62	1.90	19
B.3	SDG Index	52	0.00	28
C.	**Stability for Investment & Innovation**			
C.1	Innovation Score as per India Innovation Index	11.58	0.22	23
C.2	Logistic Index	70.00	0.00	19
C.3	Investment Opportunities (in USD Billion)	79.49	0.49	14

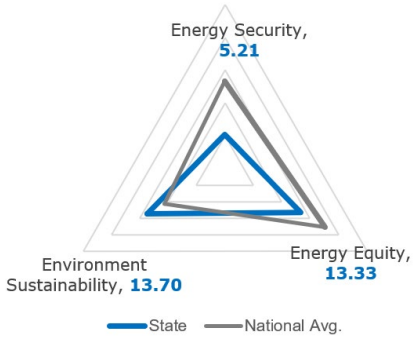
**100= Best performer; 80= Top Performer; 60= Leaders; 40=Aspiring Leaders; 20=Emerging States; 10= Beginners*

Nagaland

27
Rank

38.76
Overall Score

Dimension	Score	Rank
Energy Security	5.21	28
Energy Equity	13.33	27
Environmental Sustainability	13.70	6
State Context	6.52	26



Note – Dimension wise scores are out of 25

No.	Indicator	Value	Score	Rank
105.ENERGY SECURITY				
A.	**Electricity Diversity and Power Supply Position**			
A.1	Diversity of Electricity Installed Capacity (ECMI Index)	0.68	1.70	3
A.2	Share of RE in total installed capacity (%)	17.16	0.54	13
A.3	Installed generating capacity (Growth Rate in %)	5.18	0.92	6
A.4	Electricity consumption per capita (in kWh)	433.09	0.07	24
A.5	Energy not supplied (Deficit) in %	4.50	0.90	27
A.6	Installed Capacity/ Peak Demand	1.24	0.21	17
B.	**Viability of Energy/Electricity Systems in the State**			
B.1	AT & C Losses (in %)	45.15	0.88	27
B.2	ACS-ARR Gap (in Rs./unit)	5.83	0.00	28
B.3	Average Hours of Supply- Agriculture (Mins/day)	NA	NA	NA
106.ENERGY EQUITY				
A.	**Energy Access**			
A.1	Access to Electricity %	100	2.76	3
A.2	LPG + PNG Connections against number of HHs %	0.84	0.67	25
B.	**Affordability**			
B.1	ACS	7.77	2.21	27
B.2	Non-Subsidized LPG Price (Rs/14.2 kg Cylinder)	1122	0.97	5
B.3	Petrol Prices in Rs/litre	99.45	0.72	12
B.4	Diesel Prices in Rs./litre	87.56	0.76	5
B.5	PAT/Revenue	NA	NA	NA
C.	**Performance of Utilities**			
C.1	PAT/ Revenue (%)	-3.02	0.00	28
C.2	Overdue/ Cost of Power (%)	0.08	2.47	9
C.3	Payables for Power Purchase (Days)	NA	NA	NA
C.4	Tariff Subsidy Billed/ Total Revenue (%)	0.00	2.76	2
107.ENVIRONMENTAL SUSTAINABILITY				
A.	**Energy Resource Productivity**			
A.1	Energy Efficiency Score	8	0.00	27
A.2	Performance of Clean Energy (Capacity/Potential) in %	0.48	0.04	27
A.3	Energy intensity (kgoe/GDP in 1000 INR)-Data	1.30	2.65	4
B.	**Decorbonisation**			
B.1	CO2 saved from LED Bulbs/1000 population (tonnes)	51.77	1.97	6
B.2	% of Forest Cover (Forest Cover wrt total area)	73.90	4.32	3
C.	**Emissions and Pollution**			
C.1	Emission Intensity (kgCO2eq/ GSDP in 1000 INR)	0.00	3.27	3
C.2	Air Quality Index	82.50	1.45	13
C.3	EV Penetration (%)	0.02	0.01	24

No.	Indicator	Value	Score	Rank
108.STATE CONTEXT				
A.	**Macroeconomic Environment**			
A.1	Growth rate of GSDP	9.28	2.13	13
A.2	FDI Equity Inflows (in USD Million)	0.01	0.00	25
A.3	States' Ranking: Start up Index*	40.00	0.83	15
B.	**Regulations, Institutions & Governance**			
B.1	Multidimensional Poverty Index	0.07	1.31	19
B.2	Good Governance Index	3.62	0.91	25
B.3	SDG Index	61	1.30	19
C.	**Stability for Investment & Innovation**			
C.1	Innovation Score as per India Innovation Index	11.00	0.01	27
C.2	Logistic Index	70.00	0.00	19
C.3	Investment Opportunities (in USD Billion)	26.82	0.03	26

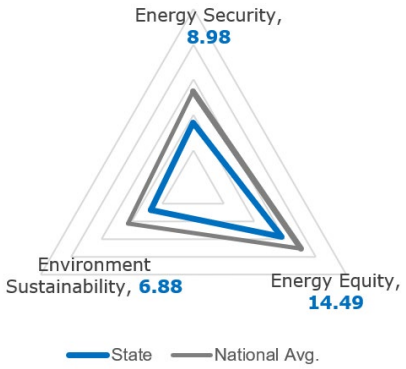
**100= Best performer; 80= Top Performer; 60= Leaders; 40=Aspiring Leaders; 20=Emerging States; 10= Beginners*

Jharkhand

28
Rank

36.55
Overall Score

Dimension	Score	Rank
Energy Security	8.98	27
Energy Equity	14.49	26
Environmental Sustainability	6.88	28
State Context	6.20	27



Note – Dimension wise scores are out of 25

No.	Indicator	Value	Score	Rank
109.ENERGY SECURITY				
A.	**Electricity Diversity and Power Supply Position**			
A.1	Diversity of Electricity Installed Capacity (ECMI Index)	0.22	0.23	25
A.2	Share of RE in total installed capacity (%)	4.28	0.00	28
A.3	Installed generating capacity (Growth Rate in %)	10.73	1.23	4
A.4	Electricity consumption per capita (in kWh)	867.37	0.33	17
A.5	Energy not supplied (Deficit) in %	7.60	0.00	28
A.6	Installed Capacity/ Peak Demand	1.18	0.17	19
B.	**Viability of Energy/Electricity Systems in the State**			
B.1	AT & C Losses (in %)	43.09	1.06	26
B.2	ACS-ARR Gap (in Rs./unit)	1.92	2.71	25
B.3	Average Hours of Supply- Agriculture (Mins/day)	1,200.00	3.25	9
110.ENERGY EQUITY				
A.	**Energy Access**			
A.1	Access to Electricity %	100	2.58	11
A.2	LPG + PNG Connections against number of HHs %	0.84	0.64	27
B.	**Affordability**			
B.1	ACS	6.09	3.08	13
B.2	Non-Subsidized LPG Price (Rs/14.2 kg Cylinder)	1160.5	0.66	20
B.3	Petrol Prices in Rs/litre	99.84	0.65	14
B.4	Diesel Prices in Rs./litre	94.65	0.29	23
B.5	PAT/Revenue	1.22	2.87	6
C.	**Performance of Utilities**			
C.1	PAT/ Revenue (%)	-0.50	2.13	25
C.2	Overdue/ Cost of Power (%)	0.69	0.32	27
C.3	Payables for Power Purchase (Days)	555.00	0.00	23
C.4	Tariff Subsidy Billed/ Total Revenue (%)	0.23	1.28	19
111.ENVIRONMENTAL SUSTAINABILITY				
A.	**Energy Resource Productivity**			
A.1	Energy Efficiency Score	36	1.16	13
A.2	Performance of Clean Energy (Capacity/Potential) in %	0.62	0.05	26
A.3	Energy intensity (kgoe/GDP in 1000 INR)-Data	2.30	0.93	20
B.	**Decorbonisation**			
B.1	CO2 saved from LED Bulbs/1000 population (tonnes)	36.37	1.22	13
B.2	% of Forest Cover (Forest Cover wrt total area)	29.76	1.50	14
C.	**Emissions and Pollution**			
C.1	Emission Intensity (kgCO2eq/ GSDP in 1000 INR)	0.05	1.28	27
C.2	Air Quality Index	155.75	0.28	26
C.3	EV Penetration (%)	0.56	0.46	14

No.	Indicator	Value	Score	Rank
112.STATE CONTEXT				
A.	**Macroeconomic Environment**			
A.1	Growth rate of GSDP	7.75	1.46	19
A.2	FDI Equity Inflows (in USD Million)	2656.15	0.15	7
A.3	States' Ranking: Start up Index*	NA	NA	NA
B.	**Regulations, Institutions & Governance**			
B.1	Multidimensional Poverty Index	0.13	0.38	26
B.2	Good Governance Index	4.76	2.11	16
B.3	SDG Index	56	0.54	27
C.	**Stability for Investment & Innovation**			
C.1	Innovation Score as per India Innovation Index	13.10	0.78	18
C.2	Logistic Index	70.00	0.00	19
C.3	Investment Opportunities (in USD Billion)	110.62	0.78	10

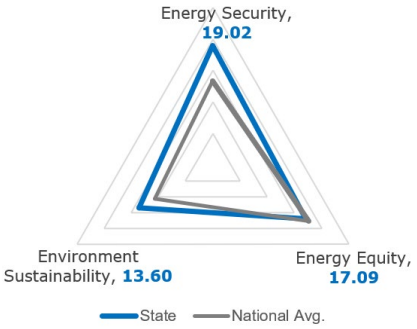
**100= Best performer; 80= Top Performer; 60= Leaders; 40=Aspiring Leaders; 20=Emerging States; 10= Beginners*

Chandigarh

1
Rank

64.55
Overall Score

Dimension	Score	Rank
Energy Security	19.02	1
Energy Equity	17.09	2
Environmental Sustainability	13.60	2
State Context	14.84	2



Note – Dimension wise scores are out of 25

No.	Indicator	Value	Score	Rank
113.ENERGY SECURITY				
A.	**Electricity Diversity and Power Supply Position**			
A.1	Diversity of Electricity Installed Capacity (ECMI Index)	0.68	1.85	3
A.2	Share of RE in total installed capacity (%)	25.71	1.95	2
A.3	Installed generating capacity (Growth Rate in %)	3.67	0.07	5
A.4	Electricity consumption per capita (in kWh)	1528.57	0.17	6
A.5	Energy not supplied (Deficit) in %	0.00	2.12	3
A.6	Installed Capacity/ Peak Demand	0.56	0.00	8
B.	**Viability of Energy/Electricity Systems in the State**			
B.1	AT & C Losses (in %)	13.81	4.43	5
B.2	ACS-ARR Gap (in Rs./unit)	-0.42	4.20	3
B.3	Average Hours of Supply- Agriculture (Mins/day)	1,440.00	4.23	1
114.ENERGY EQUITY				
A.	**Energy Access**			
A.1	Access to Electricity %	100	2.65	6
A.2	LPG + PNG Connections against number of HHs %	1.04	0.46	5
B.	**Affordability**			
B.1	ACS	4.30	4.20	3
B.2	Non-Subsidized LPG Price (Rs/14.2 kg Cylinder)	1112.5	1.02	2
B.3	Petrol Prices in Rs/litre	96.20	0.42	4
B.4	Diesel Prices in Rs./litre	84.26	0.59	2
B.5	PAT/Revenue	NA	NA	NA
C.	**Performance of Utilities**			
C.1	PAT/ Revenue (%)	0.09	2.63	3
C.2	Overdue/ Cost of Power (%)	0.08	2.48	5
C.3	Payables for Power Purchase (Days)	NA	NA	NA
C.4	Tariff Subsidy Billed/ Total Revenue (%)	0.00	2.65	4
115.ENVIRONMENTAL SUSTAINABILITY				
A.	**Energy Resource Productivity**			
A.1	Energy Efficiency Score	30	2.86	2
A.2	Performance of Clean Energy (Capacity/Potential) in %	978.17	3.17	1
A.3	Energy intensity (kgoe/GDP in 1000 INR)-Data	1.90	1.98	2
B.	**Decorbonisation**			
B.1	CO2 saved from LED Bulbs/1000 population (tonnes)	47.36	0.37	6
B.2	% of Forest Cover (Forest Cover wrt total area)	20.07	1.00	5
C.	**Emissions and Pollution**			
C.1	Emission Intensity (kgCO2eq/ GSDP in 1000 INR)	0.00	2.12	3
C.2	Air Quality Index	98.00	1.39	4
C.3	EV Penetration (%)	1.06	0.70	2

No.	Indicator	Value	Score	Rank
116.STATE CONTEXT				
A.	**Macroeconomic Environment**			
A.1	Growth rate of GSDP	6.29	0.61	4
A.2	FDI Equity Inflows (in USD Million)	78.45	0.01	3
A.3	States' Ranking: Start up Index*	40.00	1.06	4
B.	**Regulations, Institutions & Governance**			
B.1	Multidimensional Poverty Index	0.02	1.29	6
B.2	Good Governance Index	4.54	2.27	3
B.3	SDG Index	79	3.17	1
C.	**Stability for Investment & Innovation**			
C.1	Innovation Score as per India Innovation Index	27.88	3.17	1
C.2	Logistic Index	90.00	3.17	1
C.3	Investment Opportunities (in USD Billion)	20.80	0.07	7

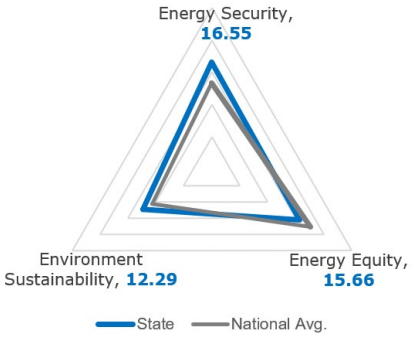
**100= Best performer; 80= Top Performer; 60= Leaders; 40=Aspiring Leaders; 20=Emerging States; 10= Beginners*

Delhi

2
Rank

63.28
Overall Score

Dimension	Score	Rank
Energy Security	16.55	5
Energy Equity	15.66	4
Environmental Sustainability	12.29	3
State Context	18.78	1



Note – Dimension wise scores are out of 25

No.	Indicator	Value	Score	Rank
117.ENERGY SECURITY				
A.	**Electricity Diversity and Power Supply Position**			
A.1	Diversity of Electricity Installed Capacity (ECMI Index)	0.58	1.41	4
A.2	Share of RE in total installed capacity (%)	4.38	0.00	8
A.3	Installed generating capacity (Growth Rate in %)	-1.21	0.00	9
A.4	Electricity consumption per capita (in kWh)	1683.75	0.20	5
A.5	Energy not supplied (Deficit) in %	0.00	2.00	5
A.6	Installed Capacity/ Peak Demand	0.90	0.31	5
B.	**Viability of Energy/Electricity Systems in the State**			
B.1	AT & C Losses (in %)	8.94	4.63	4
B.2	ACS-ARR Gap (in Rs./unit)	-0.63	4.00	5
B.3	Average Hours of Supply- Agriculture (Mins/day)	1,440.00	4.00	3
118.ENERGY EQUITY				
A.	**Energy Access**			
A.1	Access to Electricity %	100	2.50	8
A.2	LPG + PNG Connections against number of HHs %	1.67	1.82	2
B.	**Affordability**			
B.1	ACS	7.25	3.48	5
B.2	Non-Subsidized LPG Price (Rs/14.2 kg Cylinder)	1103	1.00	4
B.3	Petrol Prices in Rs/litre	96.72	0.37	5
B.4	Diesel Prices in Rs./litre	89.62	0.02	6
B.5	PAT/Revenue	1.54	0.00	2
C.	**Performance of Utilities**			
C.1	PAT/ Revenue (%)	0.11	2.50	5
C.2	Overdue/ Cost of Power (%)	0.01	2.48	4
C.3	Payables for Power Purchase (Days)	333.00	0.00	2
C.4	Tariff Subsidy Billed/ Total Revenue (%)	0.12	1.48	6
119.ENVIRONMENTAL SUSTAINABILITY				
A.	**Energy Resource Productivity**			
A.1	Energy Efficiency Score	33	3.00	1
A.2	Performance of Clean Energy (Capacity/Potential) in %	13.86	0.04	3
A.3	Energy intensity (kgoe/GDP in 1000 INR)-Data	1.30	3.00	1
B.	**Decorbonisation**			
B.1	CO2 saved from LED Bulbs/1000 population (tonnes)	66.09	0.65	5
B.2	% of Forest Cover (Forest Cover wrt total area)	13.15	0.60	6
C.	**Emissions and Pollution**			
C.1	Emission Intensity (kgCO2eq/ GSDP in 1000 INR)	0.00	3.00	1
C.2	Air Quality Index	207.00	0.00	6
C.3	EV Penetration (%)	2.95	2.00	1

No.	Indicator	Value	Score	Rank
120.STATE CONTEXT				
A.	**Macroeconomic Environment**			
A.1	Growth rate of GSDP	8.44	1.45	3
A.2	FDI Equity Inflows (in USD Million)	25193.04	3.00	1
A.3	States' Ranking: Start up Index*	40.00	1.00	6
B.	**Regulations, Institutions & Governance**			
B.1	Multidimensional Poverty Index	0.01	1.39	5
B.2	Good Governance Index	5.01	3.00	1
B.3	SDG Index	68	1.06	5
C.	**Stability for Investment & Innovation**			
C.1	Innovation Score as per India Innovation Index	27.00	2.88	2
C.2	Logistic Index	90.00	3.00	2
C.3	Investment Opportunities (in USD Billion)	63.87	2.00	1

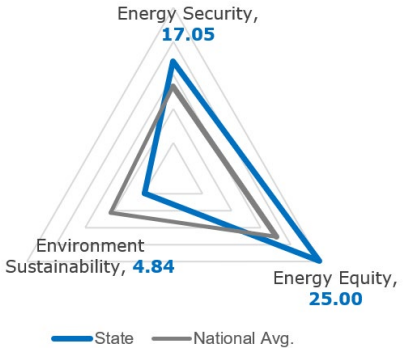
**100= Best performer; 80= Top Performer; 60= Leaders; 40=Aspiring Leaders; 20=Emerging States; 10= Beginners*

DNH-DD

3
Rank

52.20
Overall Score

Dimension	Score	Rank
Energy Security	17.05	4
Energy Equity	25.26	1
Environmental Sustainability	4.84	7
State Context	5.05	7



Note – Dimension wise scores are out of 25

No.	Indicator	Value	Score	Rank
121.ENERGY SECURITY				
A.	**Electricity Diversity and Power Supply Position**			
A.1	Diversity of Electricity Installed Capacity (ECMI Index)	0.38	0.84	6
A.2	Share of RE in total installed capacity (%)	6.12	0.18	7
A.3	Installed generating capacity (Growth Rate in %)	11.99	0.21	4
A.4	Electricity consumption per capita (in kWh)	9486.69	2.44	2
A.5	Energy not supplied (Deficit) in %	0.00	2.44	2
A.6	Installed Capacity/ Peak Demand	0.57	0.01	7
B.	**Viability of Energy/Electricity Systems in the State**			
B.1	AT & C Losses (in %)	4.97	6.10	3
B.2	ACS-ARR Gap (in Rs./unit)	-0.35	4.82	2
B.3	Average Hours of Supply- Agriculture (Mins/day)	NA	NA	NA
122.ENERGY EQUITY				
A.	**Energy Access**			
A.1	Access to Electricity %	100	3.05	3
A.2	LPG + PNG Connections against number of HHs %	0.85	0.00	7
B.	**Affordability**			
B.1	ACS	4.62	4.78	1
B.2	Non-Subsidized LPG Price (Rs/14.2 kg Cylinder)	1112.5	1.17	1
B.3	Petrol Prices in Rs/litre	94.31	0.60	2
B.4	Diesel Prices in Rs./litre	89.86	0.00	7
B.5	PAT/Revenue	1.21	3.66	1
C.	**Performance of Utilities**			
C.1	PAT/ Revenue (%)	0.06	3.02	2
C.2	Overdue/ Cost of Power (%)	0.07	2.89	2
C.3	Payables for Power Purchase (Days)	37.00	3.05	1
C.4	Tariff Subsidy Billed/ Total Revenue (%)	0.00	3.05	2
123.ENVIRONMENTAL SUSTAINABILITY				
A.	**Energy Resource Productivity**			
A.1	Energy Efficiency Score	9	0.78	6
A.2	Performance of Clean Energy (Capacity/Potential) in %	NA	NA	NA
A.3	Energy intensity (kgoe/GDP in 1000 INR)-Data	NA	NA	NA
B.	**Decorbonisation**			
B.1	CO2 saved from LED Bulbs/1000 population (tonnes)	25.52	0.00	8
B.2	% of Forest Cover (Forest Cover wrt total area)	37.83	2.25	3
C.	**Emissions and Pollution**			
C.1	Emission Intensity (kgCO2eq/ GSDP in 1000 INR)	NA	NA	NA
C.2	Air Quality Index	84.00	1.81	2
C.3	EV Penetration (%)	NA	NA	NA

No.	Indicator	Value	Score	Rank
124.STATE CONTEXT				
A.	**Macroeconomic Environment**			
A.1	Growth rate of GSDP	NA	NA	NA
A.2	FDI Equity Inflows (in USD Million)	335.21	0.05	2
A.3	States' Ranking: Start up Index*	40.00	1.22	3
B.	**Regulations, Institutions & Governance**			
B.1	Multidimensional Poverty Index	0.04	0.00	8
B.2	Good Governance Index	4.24	1.97	4
B.3	SDG Index	62	0.00	8
C.	**Stability for Investment & Innovation**			
C.1	Innovation Score as per India Innovation Index	12.09	1.03	6
C.2	Logistic Index	70.00	0.00	4
C.3	Investment Opportunities (in USD Billion)	33.72	0.79	3

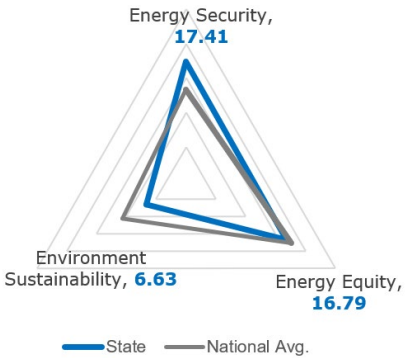
**100= Best performer; 80= Top Performer; 60= Leaders; 40=Aspiring Leaders; 20=Emerging States; 10= Beginners*

Puducherry

4
Rank

50.86
Overall Score

Dimension	Score	Rank
Energy Security	17.41	3
Energy Equity	16.79	3
Environmental Sustainability	6.63	6
State Context	10.04	5



Note – Dimension wise scores are out of 25

No.	Indicator	Value	Score	Rank
125.ENERGY SECURITY				
A.	**Electricity Diversity and Power Supply Position**			
A.1	Diversity of Electricity Installed Capacity (ECMI Index)	0.75	2.12	1
A.2	Share of RE in total installed capacity (%)	8.74	0.40	4
A.3	Installed generating capacity (Growth Rate in %)	2.39	0.05	6
A.4	Electricity consumption per capita (in kWh)	2138.42	0.32	3
A.5	Energy not supplied (Deficit) in %	0.00	2.12	3
A.6	Installed Capacity/ Peak Demand	0.81	0.24	6
B.	**Viability of Energy/Electricity Systems in the State**			
B.1	AT & C Losses (in %)	20.06	3.82	6
B.2	ACS-ARR Gap (in Rs./unit)	0.04	4.11	4
B.3	Average Hours of Supply- Agriculture (Mins/day)	1,440.00	4.23	1
126.ENERGY EQUITY				
A.	**Energy Access**			
A.1	Access to Electricity %	100	2.65	6
A.2	LPG + PNG Connections against number of HHs %	1.02	0.40	6
B.	**Affordability**			
B.1	ACS	4.97	4.08	4
B.2	Non-Subsidized LPG Price (Rs/14.2 kg Cylinder)	1115	1.00	3
B.3	Petrol Prices in Rs/litre	96.16	0.42	3
B.4	Diesel Prices in Rs./litre	86.33	0.37	3
B.5	PAT/Revenue	NA	NA	NA
C.	**Performance of Utilities**			
C.1	PAT/ Revenue (%)	0.00	2.59	4
C.2	Overdue/ Cost of Power (%)	0.00	2.65	3
C.3	Payables for Power Purchase (Days)	NA	NA	NA
C.4	Tariff Subsidy Billed/ Total Revenue (%)	0.00	2.63	5
127.ENVIRONMENTAL SUSTAINABILITY				
A.	**Energy Resource Productivity**			
A.1	Energy Efficiency Score	26.5	2.50	3
A.2	Performance of Clean Energy (Capacity/Potential) in %	9.23	0.03	4
A.3	Energy intensity (kgoe/GDP in 1000 INR)-Data	2.90	0.00	4
B.	**Decorbonisation**			
B.1	CO2 saved from LED Bulbs/1000 population (tonnes)	38.94	0.23	7
B.2	% of Forest Cover (Forest Cover wrt total area)	10.88	0.51	7
C.	**Emissions and Pollution**			
C.1	Emission Intensity (kgCO2eq/ GSDP in 1000 INR)	0.01	1.06	4
C.2	Air Quality Index	41.50	2.12	1
C.3	EV Penetration (%)	0.38	0.19	4

No.	Indicator	Value	Score	Rank
128.STATE CONTEXT				
A.	**Macroeconomic Environment**			
A.1	Growth rate of GSDP	4.86	0.00	5
A.2	FDI Equity Inflows (in USD Million)	63.30	0.01	4
A.3	States' Ranking: Start up Index*	40.00	1.06	4
B.	**Regulations, Institutions & Governance**			
B.1	Multidimensional Poverty Index	0.00	2.12	3
B.2	Good Governance Index	4.71	2.61	2
B.3	SDG Index	68	1.12	4
C.	**Stability for Investment & Innovation**			
C.1	Innovation Score as per India Innovation Index	15.88	1.44	4
C.2	Logistic Index	80.00	1.59	3
C.3	Investment Opportunities (in USD Billion)	21.51	0.10	6

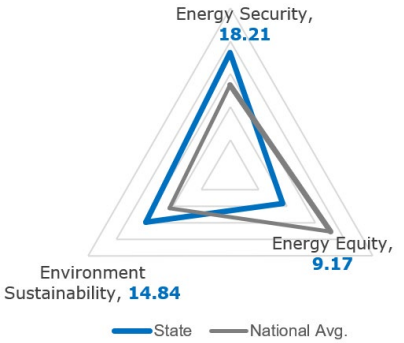
**100= Best performer; 80= Top Performer; 60= Leaders; 40=Aspiring Leaders; 20=Emerging States; 10= Beginners*

Lakshadweep

5
Rank

47.37
Overall Score

Dimension	Score	Rank
Energy Security	18.21	2
Energy Equity	9.17	8
Environmental Sustainability	14.84	1
State Context	5.15	6



Note – Dimension wise scores are out of 25

No.	Indicator	Value	Score	Rank
129.ENERGY SECURITY				
A.	**Electricity Diversity and Power Supply Position**			
A.1	Diversity of Electricity Installed Capacity (ECMI Index)	0.18	0.00	9
A.2	Share of RE in total installed capacity (%)	10.86	0.88	3
A.3	Installed generating capacity (Growth Rate in %)	151.70	3.15	1
A.4	Electricity consumption per capita (in kWh)	818.71	0.00	9
A.5	Energy not supplied (Deficit) in %	0.00	3.15	1
A.6	Installed Capacity/ Peak Demand	2.74	3.15	1
B.	**Viability of Energy/Electricity Systems in the State**			
B.1	AT & C Losses (in %)	11.63	6.91	1
B.2	ACS-ARR Gap (in Rs./unit)	19.44	0.97	7
B.3	Average Hours of Supply- Agriculture (Mins/day)	NA	NA	NA
130.ENERGY EQUITY				
A.	**Energy Access**			
A.1	Access to Electricity %	100	3.94	2
A.2	LPG + PNG Connections against number of HHs %	NA	NA	NA
B.	**Affordability**			
B.1	ACS	23.70	1.13	6
B.2	Non-Subsidized LPG Price (Rs/14.2 kg Cylinder)	NA	NA	NA
B.3	Petrol Prices in Rs/litre	NA	NA	NA
B.4	Diesel Prices in Rs./litre	NA	NA	NA
B.5	PAT/Revenue	NA	NA	NA
C.	**Performance of Utilities**			
C.1	PAT/ Revenue (%)	-4.50	0.17	7
C.2	Overdue/ Cost of Power (%)	NA	NA	NA
C.3	Payables for Power Purchase (Days)	NA	NA	NA
C.4	Tariff Subsidy Billed/ Total Revenue (%)	0.00	3.94	1
131.ENVIRONMENTAL SUSTAINABILITY				
A.	**Energy Resource Productivity**			
A.1	Energy Efficiency Score	6.5	0.62	7
A.2	Performance of Clean Energy (Capacity/Potential) in %	10.55	0.05	2
A.3	Energy intensity (kgoe/GDP in 1000 INR)-Data	NA	NA	NA
B.	**Decorbonisation**			
B.1	CO2 saved from LED Bulbs/1000 population (tonnes)	304.90	7.09	1
B.2	% of Forest Cover (Forest Cover wrt total area)	90.33	7.09	1
C.	**Emissions and Pollution**			
C.1	Emission Intensity (kgCO2eq/ GSDP in 1000 INR)	NA	NA	NA
C.2	Air Quality Index	NA	NA	NA
C.3	EV Penetration (%)	NA	NA	NA

No.	Indicator	Value	Score	Rank
132.STATE CONTEXT				
A.	**Macroeconomic Environment**			
A.1	Growth rate of GSDP	NA	NA	NA
A.2	FDI Equity Inflows (in USD Million)	NA	NA	NA
A.3	States' Ranking: Start up Index*	NA	NA	NA
B.	**Regulations, Institutions & Governance**			
B.1	Multidimensional Poverty Index	0.00	3.06	1
B.2	Good Governance Index	3.36	0.00	7
B.3	SDG Index	68	1.67	2
C.	**Stability for Investment & Innovation**			
C.1	Innovation Score as per India Innovation Index	7.86	0.42	7
C.2	Logistic Index	70.00	0.00	4
C.3	Investment Opportunities (in USD Billion)	19.40	0.00	8

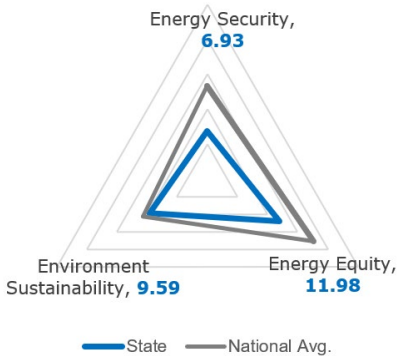
**100= Best performer; 80= Top Performer; 60= Leaders; 40=Aspiring Leaders; 20=Emerging States; 10= Beginners*

Jammu & Kashmir

6
Rank

39.68
Overall Score

Dimension	Score	Rank
Energy Security	6.93	6
Energy Equity	11.98	7
Environmental Sustainability	9.59	4
State Context	11.17	4



Note – Dimension wise scores are out of 25

No.	Indicator	Value	Score	Rank
133.ENERGY SECURITY				
A.	**Electricity Diversity and Power Supply Position**			
A.1	Diversity of Electricity Installed Capacity (ECMI Index)	0.54	1.38	5
A.2	Share of RE in total installed capacity (%)	6.97	0.25	6
A.3	Installed generating capacity (Growth Rate in %)	0.89	0.03	8
A.4	Electricity consumption per capita (in kWh)	1474.84	0.17	7
A.5	Energy not supplied (Deficit) in %	1.60	0.74	7
A.6	Installed Capacity/ Peak Demand	0.96	0.40	4
B.	**Viability of Energy/Electricity Systems in the State**			
B.1	AT & C Losses (in %)	59.28	0.00	8
B.2	ACS-ARR Gap (in Rs./unit)	1.81	3.97	6
B.3	Average Hours of Supply- Agriculture (Mins/day)	NA	NA	NA
134.ENERGY EQUITY				
A.	**Energy Access**			
A.1	Access to Electricity %	100	2.76	5
A.2	LPG + PNG Connections against number of HHs %	1.41	1.39	3
B.	**Affordability**			
B.1	ACS	4.13	4.42	2
B.2	Non-Subsidized LPG Price (Rs/14.2 kg Cylinder)	1219	0.56	6
B.3	Petrol Prices in Rs/litre	101.98	0.12	6
B.4	Diesel Prices in Rs./litre	86.97	0.32	4
B.5	PAT/Revenue	NA	NA	NA
C.	**Performance of Utilities**			
C.1	PAT/ Revenue (%)	-0.49	2.41	6
C.2	Overdue/ Cost of Power (%)	1.37	0.00	6
C.3	Payables for Power Purchase (Days)	NA	NA	NA
C.4	Tariff Subsidy Billed/ Total Revenue (%)	0.29	0.00	7
135.ENVIRONMENTAL SUSTAINABILITY				
A.	**Energy Resource Productivity**			
A.1	Energy Efficiency Score	15.5	1.41	5
A.2	Performance of Clean Energy (Capacity/Potential) in %	0.22	0.00	6
A.3	Energy intensity (kgoe/GDP in 1000 INR)-Data	2.30	1.24	3
B.	**Decorbonisation**			
B.1	CO2 saved from LED Bulbs/1000 population (tonnes)	65.63	0.71	4
B.2	% of Forest Cover (Forest Cover wrt total area)	39.15	2.11	4
C.	**Emissions and Pollution**			
C.1	Emission Intensity (kgCO2eq/ GSDP in 1000 INR)	0.00	2.76	2
C.2	Air Quality Index	132.33	1.00	5
C.3	EV Penetration (%)	0.58	0.35	3

No.	Indicator	Value	Score	Rank
136.STATE CONTEXT				
A.	**Macroeconomic Environment**			
A.1	Growth rate of GSDP	9.34	2.01	2
A.2	FDI Equity Inflows (in USD Million)	1.07	0.00	5
A.3	States' Ranking: Start up Index*	80.00	3.31	1
B.	**Regulations, Institutions & Governance**			
B.1	Multidimensional Poverty Index	0.02	1.17	7
B.2	Good Governance Index	4.20	1.69	6
B.3	SDG Index	66	0.78	7
C.	**Stability for Investment & Innovation**			
C.1	Innovation Score as per India Innovation Index	12.83	1.04	5
C.2	Logistic Index	70.00	0.00	4
C.3	Investment Opportunities (in USD Billion)	42.96	1.17	2

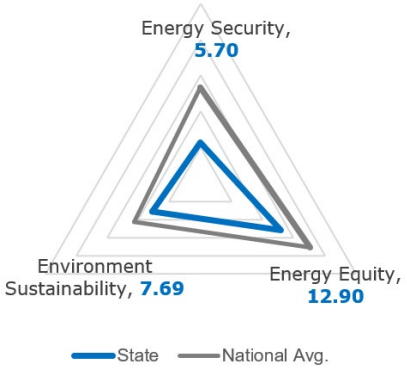
**100= Best performer; 80= Top Performer; 60= Leaders; 40=Aspiring Leaders; 20=Emerging States; 10= Beginners*

Andaman & Nicobar

7
Rank

38.96
Overall Score

Dimension	Score	Rank
Energy Security	5.70	7
Energy Equity	12.90	5
Environmental Sustainability	7.69	5
State Context	12.67	3



Note – Dimension wise scores are out of 25

No.	Indicator	Value	Score	Rank
137.ENERGY SECURITY				
A.	**Electricity Diversity and Power Supply Position**			
A.1	Diversity of Electricity Installed Capacity (ECMI Index)	0.30	0.51	7
A.2	Share of RE in total installed capacity (%)	27.50	2.34	1
A.3	Installed generating capacity (Growth Rate in %)	22.37	0.36	2
A.4	Electricity consumption per capita (in kWh)	877.53	0.02	8
A.5	Energy not supplied (Deficit) in %	2.40	0.00	8
A.6	Installed Capacity/ Peak Demand	2.13	1.69	2
B.	**Viability of Energy/Electricity Systems in the State**			
B.1	AT & C Losses (in %)	51.94	0.79	7
B.2	ACS-ARR Gap (in Rs./unit)	23.08	0.00	8
B.3	Average Hours of Supply- Agriculture (Mins/day)	NA	NA	NA
138.ENERGY EQUITY				
A.	**Energy Access**			
A.1	Access to Electricity %	100	2.92	4
A.2	LPG + PNG Connections against number of HHs %	1.23	0.99	4
B.	**Affordability**			
B.1	ACS	27.99	0.00	7
B.2	Non-Subsidized LPG Price (Rs/14.2 kg Cylinder)	1179	0.79	5
B.3	Petrol Prices in Rs/litre	84.10	1.17	1
B.4	Diesel Prices in Rs./litre	79.74	1.17	1
B.5	PAT/Revenue	NA	NA	NA
C.	**Performance of Utilities**			
C.1	PAT/ Revenue (%)	-4.70	0.00	8
C.2	Overdue/ Cost of Power (%)	0.00	2.92	1
C.3	Payables for Power Purchase (Days)	NA	NA	NA
C.4	Tariff Subsidy Billed/ Total Revenue (%)	0.00	2.92	3
139.ENVIRONMENTAL SUSTAINABILITY				
A.	**Energy Resource Productivity**			
A.1	Energy Efficiency Score	15	1.44	4
A.2	Performance of Clean Energy (Capacity/Potential) in %	2.74	0.01	5
A.3	Energy intensity (kgoe/GDP in 1000 INR)-Data	2.90	0.00	4
B.	**Decorbonisation**			
B.1	CO2 saved from LED Bulbs/1000 population (tonnes)	104.41	1.49	2
B.2	% of Forest Cover (Forest Cover wrt total area)	81.75	4.76	2
C.	**Emissions and Pollution**			
C.1	Emission Intensity (kgCO2eq/ GSDP in 1000 INR)	0.01	0.00	5

No.	Indicator	Value	Score	Rank
C.2	Air Quality Index	NA	NA	NA
C.3	EV Penetration (%)	0.13	0.00	6
140.STATE CONTEXT				
A. Macroeconomic Environment				
A.1	Growth rate of GSDP	12.26	3.51	1
A.2	FDI Equity Inflows (in USD Million)	NA	NA	NA
A.3	States' Ranking: Start up Index*	60.00	2.34	2
B. Regulations, Institutions & Governance				
B.1	Multidimensional Poverty Index	0.01	1.95	4
B.2	Good Governance Index	4.23	1.85	5
B.3	SDG Index	67	1.03	6
C. Stability for Investment & Innovation				
C.1	Innovation Score as per India Innovation Index	17.29	1.82	3
C.2	Logistic Index	70.00	0.00	4
C.3	Investment Opportunities (in USD Billion)	22.65	0.17	5

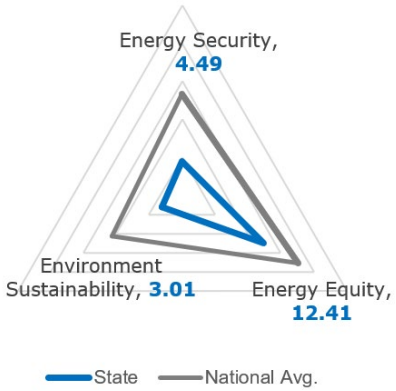
**100= Best performer; 80= Top Performer; 60= Leaders; 40=Aspiring Leaders; 20=Emerging States; 10= Beginners*

Ladakh

8
Rank

23.48
Overall Score

Dimension	Score	Rank
Energy Security	4.49	8
Energy Equity	12.41	6
Environmental Sustainability	3.01	8
State Context	3.57	8



Note – Dimension wise scores are out of 25

No.	Indicator	Value	Score	Rank
141.ENERGY SECURITY				
A.	**Electricity Diversity and Power Supply Position**			
A.1	Diversity of Electricity Installed Capacity (ECMI Index)	0.54	2.06	2
A.2	Share of RE in total installed capacity (%)	6.97	0.37	5
A.3	Installed generating capacity (Growth Rate in %)	0.89	0.05	7
A.4	Electricity consumption per capita (in kWh)	1383.64	0.22	4
A.5	Energy not supplied (Deficit) in %	1.60	1.10	6
A.6	Installed Capacity/ Peak Demand	1.02	0.69	3
B.	**Viability of Energy/Electricity Systems in the State**			
B.1	AT & C Losses (in %)	NA	NA	NA
B.2	ACS-ARR Gap (in Rs./unit)	NA	NA	NA
B.3	Average Hours of Supply- Agriculture (Mins/day)	NA	NA	NA
142.ENERGY EQUITY				
A.	**Energy Access**			
A.1	Access to Electricity %	100	4.13	1
A.2	LPG + PNG Connections against number of HHs %	1.98	4.13	1
B.	**Affordability**			
B.1	ACS	NA	NA	NA
B.2	Non-Subsidized LPG Price (Rs/14.2 kg Cylinder)	1340	0.00	7
B.3	Petrol Prices in Rs/litre	104.20	0.00	7
B.4	Diesel Prices in Rs./litre	89.21	0.11	5
B.5	PAT/Revenue	NA	NA	NA
C.	**Performance of Utilities**			
C.1	PAT/ Revenue (%)	0.00	4.04	1
C.2	Overdue/ Cost of Power (%)	NA	NA	NA
C.3	Payables for Power Purchase (Days)	NA	NA	NA
C.4	Tariff Subsidy Billed/ Total Revenue (%)	NA	NA	NA
143.ENVIRONMENTAL SUSTAINABILITY				
A.	**Energy Resource Productivity**			
A.1	Energy Efficiency Score	2.5	0.00	8
A.2	Performance of Clean Energy (Capacity/Potential) in %	0.22	0.00	6
A.3	Energy intensity (kgoe/GDP in 1000 INR)-Data	NA	NA	NA
B.	**Decorbonisation**			
B.1	CO2 saved from LED Bulbs/1000 population (tonnes)	80.87	1.47	3
B.2	% of Forest Cover (Forest Cover wrt total area)	1.35	0.00	8
C.	**Emissions and Pollution**			
C.1	Emission Intensity (kgCO2eq/ GSDP in 1000 INR)	NA	NA	NA
C.2	Air Quality Index	132.33	1.49	3
C.3	EV Penetration (%)	0.17	0.05	5

No.	Indicator	Value	Score	Rank
144.STATE CONTEXT				
A.	**Macroeconomic Environment**			
A.1	Growth rate of GSDP	NA	NA	NA
A.2	FDI Equity Inflows (in USD Million)	0.22	0.00	6
A.3	States' Ranking: Start up Index*	20.00	0.00	7
B.	**Regulations, Institutions & Governance**			
B.1	Multidimensional Poverty Index	0.02	2.20	2
B.2	Good Governance Index	NA	NA	NA
B.3	SDG Index	66	1.17	3
C.	**Stability for Investment & Innovation**			
C.1	Innovation Score as per India Innovation Index	5.91	0.00	8
C.2	Logistic Index	70.00	0.00	4
C.3	Investment Opportunities (in USD Billion)	22.14	0.20	4

**100= Best performer; 80= Top Performer; 60= Leaders; 40=Aspiring Leaders; 20=Emerging States; 10= Beginners*

Annexures

Data sources for indicators

Sl.	Indicators	Source	Year/ Period
1.	Diversity of Electricity Installed Capacity (EMCI Index)	CEA Executive Summary Report	As on Mar-23
2.	Share of RE in total installed capacity (%)	CEA Executive Summary Report	As on Mar-23
3.	Installed generating capacity of Electricity (Growth Rate in %)	CEA Executive Summary Report	Five-year CAGR (FY19 - FY23)
4.	Electricity consumption per capita (in kWh)	CEA Dashboard	FY 2021-22
5.	Energy not supplied (Deficit) in %	CEA L.G.B.R Report	FY 2022-23
6.	AT & C Losses (in %)	PFC Report on Performance of Power Utilities	FY 2020-21
7.	ACS-ARR Gap (in Rs./unit)	PFC Report on Performance of Power Utilities	FY 2020-21
8.	Average Hours of Supply in Agriculture (Mins/day)	CEA Executive Summary Report	As on Mar-23
9.	Installed Capacity/ Peak Demand	CEA Executive Summary Report and CEA L.G.B.R Report	FY 2022-23
10.	Access to Electricity %	Saubhagya Dashboard	As on Mar-19
11.	LPG + PNG Connections against number of HHs %	PPAC Ready Reckoner	• LPG Connection as on 01-Apr-23 • PNG Connection as on 01-Apr-23 • Household as on 01-Apr-21
12.	ACS	PFC Report on Performance of Power Utilities	FY 2020-21
13.	Non-Subsidized LPG Price (Rs/14.2 kg Cylinder)	PPAC Ready Reckoner	As on Jun-23
14.	Petrol Prices in Rs/litre	PPAC Ready Reckoner	As on Jun-23
15.	Diesel Prices in Rs./litre	PPAC Ready Reckoner	As on Jun-23
16.	PAT/Revenue	PFC Report on Performance of Power Utilities	FY 2020-21

Sl.	Indicators	Source	Year/ Period
17.	Overdue/ Cost of Power	PRAAPTI Portal and PFC Report on Performance of Power Utilities	FY 2020-21
18.	Cross Subsidization (Industrial ABR/ ACS)	PFC Report on Performance of Power Utilities	FY 2020-21
19.	Payables for Power Purchase (Days)	PFC Report on Performance of Power Utilities	FY 2020-21
20.	Tariff Subsidy Billed/ Total Revenue	PFC Report on Performance of Power Utilities	FY 2020-21
21.	Energy Efficiency Score	BEE, State Energy Efficiency Index	FY 2021-22
22.	Performance of Clean Energy (Capacity/Potential) in %	CEA Executive Summary Report and MOSPI Energy Statistics	CEA: As on Mar-23 MOSPI: 2023
23.	Energy intensity (kgoe/GDP in 1000 INR)-Data	State Energy and Climate Index, NITI Aayog	2022
24.	CO2 saved from LED Bulbs per 1000 population (in tonnes)	CO2 reduction - Ujala dashboard; Projected Population - MoHFW	As on Aug-23
25.	% of Forest Cover (Forest Cover wrt total area)	Forest Survey of India	2021
26.	Emission Intensity (kgCO2eq/ GSDP in 1000 INR)	State Energy and Climate Index, NITI Aayog	2022
27.	Air Quality Index (on 27.07.21)	CPCB National Ambient Air Quality Monitoring Programme	2021
28.	EV Penetration in %	PIB press release (pib.gov.in/PressReleasePage.aspx?PRID=1947389)	Jul-22
29.	Growth rate of GSDP	RBI Handbook of Statistics on Indian States	5-year CAGR (till FY22 or FY21, depending upon data availability)
30.	FDI Equity Inflows (in USD Million)	DPIIT FDI Statistics, Mar 2022	Oct-19 to Mar-23

Sl.	Indicators	Source	Year/ Period
31.	States' Ranking: Start up Index 100= Best performer; 80= Top Performer; 60= Leaders; 40=Aspiring Leaders; 20=Emerging States; 10= Beginners	Start Up India, Ministry of Commerce	2021
32.	Multidimensional Poverty Index (Score)	NITI Aayog	2023
33.	Good Governance Index (Score)	DoARPG Good Governance Index	2021
34.	SDG Index (Score)	NITI Aayog SDG India Index	2021-22
35.	Innovation Score as per India Innovation Index	NITI Aayog India Innovation Index	2021
36.	Logistics Index (Index Scores)	LEADS Index, Ministry of Commerce	2022
37.	Investment Opportunities (in USD Billion)	India Investment Grid (IIG)	As on 30-Nov-2023

State/ UT codes

State	State Code
Andhra Pradesh	AP
Arunachal Pradesh	AR
Assam	AS
Bihar	BR
Chhattisgarh	CG
Goa	GA
Gujarat	GJ
Haryana	HR
Himachal Pradesh	HP
Jharkhand	JH
Karnataka	KA
Kerala	KL
Madhya Pradesh	MP
Maharashtra	MH
Manipur	MN
Meghalaya	ML
Mizoram	MZ
Nagaland	NL
Odisha	OR
Punjab	PB
Rajasthan	RJ
Sikkim	SK
Tamil Nadu	TN
Telangana	TL
Tripura	TR
Uttarakhand	UK
Uttar Pradesh	UP
West Bengal	WB
Andaman & Nicobar	AN
Chandigarh	CH
Dadar & Nagar Haveli and Daman & Diu	DNH-DD
Delhi	DL
Lakshadweep	LD
Puducherry	PY
Jammu & Kashmir	JK
Ladakh	LA

Deloitte.