



Power
Foundation
of India

Compendium

Key Activities and Achievements

July 2025

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ABOUT POWER FOUNDATION OF INDIA

Power Foundation of India (PFI) is a Policy Research and Advocacy entity registered as a society under the aegis of Ministry of Power (MoP), Government of India.

PFI is supported by leading Central Public Sector Enterprises (CPSEs) and undertakes evidence-based policy research and studies to support informed decision-making by the MoP, Central and State Electricity Regulatory Commissions, and other concerned stakeholders.

The research studies encompass diverse aspects related to generation, transmission, distribution of electricity, electricity trading, energy transition, and environmental sustainability. PFI is also committed to address various challenges in Power Sector for the benefit of consumers & investors, thereby ensuring sustainable development of the Sector.

The Foundation also conceptualises and executes campaigns and outreach programs on themes relevant to the Power Sector. Through these engagements, the organisation enhances awareness about the Sector and motivates people towards environment-friendly behaviour.

GOVERNING BODY

PRESIDENT

Shri V. Packirisamy

Executive Director
Power Finance Corporation Ltd.

CONVENOR

Shri Anshuman Srivastava

Executive Director
Power Foundation of India

SECRETARY

Shri Ranjay Choudhary

General Manager
Power Finance Corporation Ltd.

TREASURER

Shri Pawan Kumar Kaushik

General Manager
Power Finance Corporation Ltd.

MEMBER

Representative
NEEPCO Ltd.

MEMBER

Representative
NHPC Ltd.

MEMBER

Representative
NTPC Ltd.

MEMBER

Representative
Power Finance
Corporation Ltd.

MEMBER

Representative
POWERGRID Ltd.

MEMBER

Representative
REC Ltd.

MEMBER

Representative
SJVN Ltd.

MEMBER

Representative
THDC India Ltd.

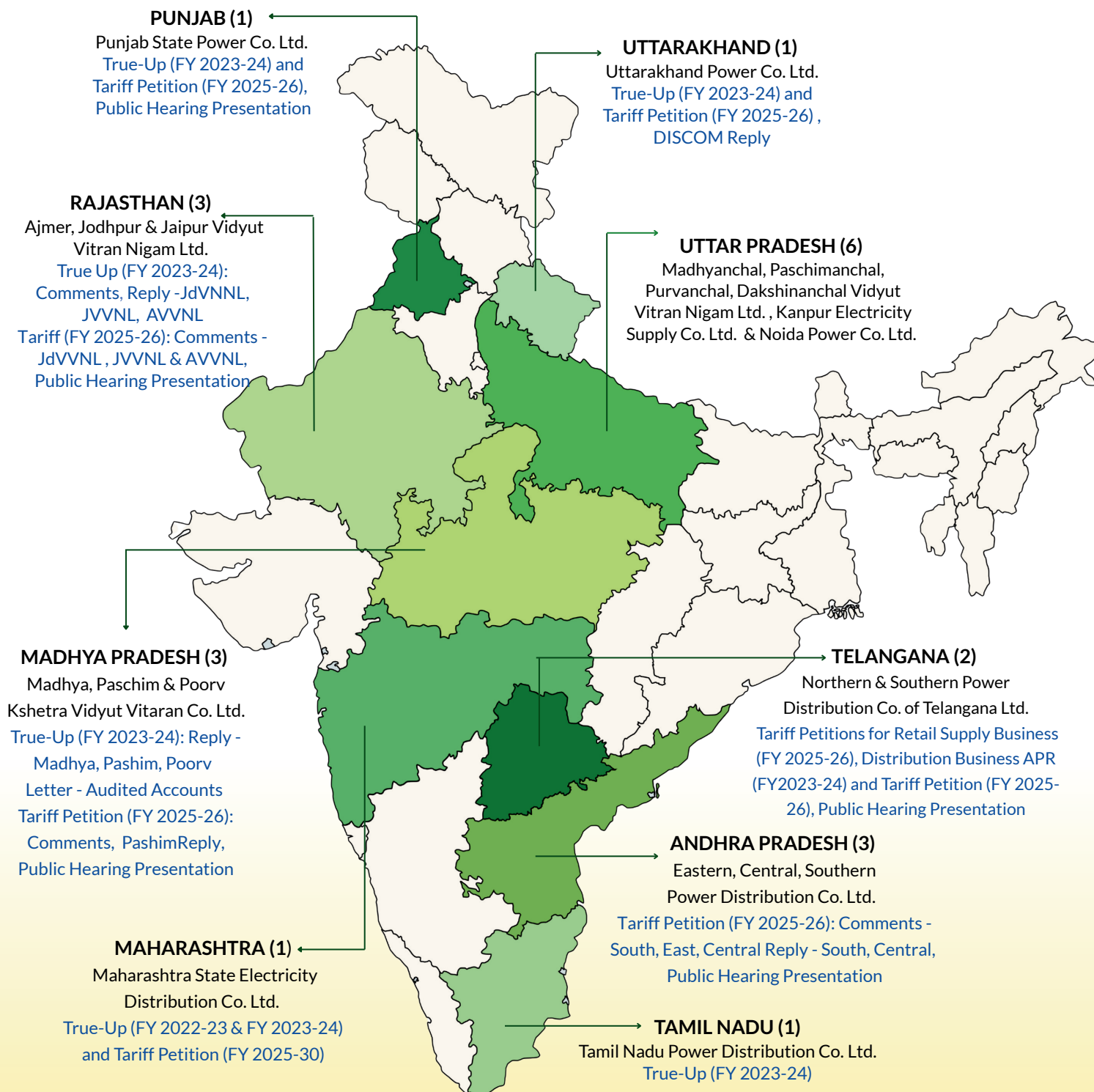
Key Activities

July 2025

1. Regulatory Support

Power Foundation of India provided Technical and Strategic comments/suggestions to the State Electricity Regulatory Commissions on DISCOMs' Tariff Petitions.

COMMENTS TO STATE ELECTRICITY REGULATORY COMMISSIONS (SERCs) FOR 21 CRITICAL DISCOMS, COVERING 18 TRUE-UP PETITIONS (FY 2023-24) AND 22 TARIFF PETITIONS (FY 2025-26):



RATING REGULATORY PERFORMANCE OF ALL STATES AND UTs (REGULATORY SCORECARD)

1. Prepared a report related to the Rating Regulatory Performance of all States and Union Territories in collaboration with REC Ltd.
2. First of its kind report which covers key regulatory and financial parameters from SERC Tariff Orders and its compliance w.r.t. provisions of Electricity Act 2003, MoP Rules etc.

REGIONAL REGULATORY WORKSHOPS

1. Regional Regulatory Workshops in collaboration with the Administrative Staff College of India across all five regions in India.
2. One region every quarter during FY 2025–26.
3. Participants will be Senior officers of SERCs, DISCOMs, GENCOs, TRANSCOs.
4. Workshops will impart a broad overview on national/ international best practices in electricity regulatory aspects, power project financing, energy transition and related areas.

SNAPSHOTS/FACTSHEETS OF ALL STATES AND UTs

1. Compilation of 28 States & 8 UTs covering major Technical & Financial parameters such as Power Purchase, AT&C losses, Revenue, Average Cost of Supply, Average Billing Rate, Collection Efficiency, Subsidy, Cross Subsidy, Outstanding Debt.
2. Monthly Snapshot - India Power Sector which is routinely shared with stakeholders - MoP, SERCs, CPSUs, & DISCOMs.

COMMENTS/ SUGGESTIONS ON DRAFT REGULATIONS

Central Electricity Regulatory Commission (CERC)

1. Tariff Regulations, 2024 related to Tariff setting for ISTS GENCOs and ISTS Transmission Licensees.
2. Renewable Energy Tariff Regulations, 2024 related to Tariff for Solar, Wind, Biomass projects, etc.
3. Deviation Settlement Mechanism Regulations, 2024, for the determination of deviation charges for conventional and renewable generators.
4. Levelised Generic Tariff for Renewable Energy Sources Regulations, 2024, for the determination of Project-specific tariffs for Small Hydro, Biomass, and Waste to Energy projects.
5. Connectivity and GNA to ISTS (3rd Amendment) Regulations, 2024, for phased connectivity for renewable park developers.
6. Appointment of Consultants (5th Amendment) Regulations, 2024, which included academic institutions for research.
7. Staff Paper on Regulatory Oversight on Bidding Behaviour in Power Exchanges, which highlighted various steps for monitoring buy/sell bids.

Delhi Electricity Regulatory Commission

1. RPO and REC Framework Implementation Regulations, 2024, which sets RPO targets (FY 2024–30) and penalties for non-compliance.
2. Green Energy Open Access Regulations, 2024, which supports open access to consumers through solar, wind, and green hydrogen, Municipal Solid Waste, Refuse-Derived Fuel.
3. Net Metering Renewable Energy (1st Amendment) Regulations, 2024, exempts systems up to 10 kW from feasibility studies.
4. Determination of Threshold Limit for the Development of Intra-State Transmission System Projects under Tariff-Based Competitive Bidding (TBCB) Regulations, 2024.

Maharashtra Electricity Regulatory Commission

1. Multi-Year Tariff Regulations, 2024, which determines Tariff for GENCOs, TRANSCOs, DISCOMs, SLDC and Energy Storage System located in the State of Maharashtra for the period from FY 2024-25 to FY 2029-30.

Central Electricity Authority

1. Draft National Electricity Policy 2023 which focusses on optimized usage of various resources such as coal, hydro, renewables.

Ministry of New & Renewable Energy

1. Draft Guidelines for Implementation of the 'Payment Security Mechanism' Component and 'Central Financial Assistance' for RESCO Models/ Utility Led Aggregation Models of PM-Surya Ghar Muft Bijli Yojana.

2. Submissions to Ministry of Power

Power Foundation of India regularly contributes data-driven submissions to MoP, offering sectoral insights, draft policy responses, and recommendations that strengthen evidence-based policymaking in the power sector.

CONCEPT NOTES / INPUTS

1. Virtual Net Metering and Group Net Metering: Introduction, Challenges and Way Forward
2. Review of High Fuel and Power Purchase Cost Adjustment Cost of New Delhi Municipal Council
3. Contracts for Difference for Procuring Electricity from Long-Duration Energy Storage
4. Legacy Issues of Regulatory Assets of Delhi DISCOMs
5. Jurisdiction issue of CERC related to *“Issuance of Tariff Regulations for various Renewable Energy Projects not covered under Section 79 of the Electricity Act (2003)”*
6. Observations on the Resource Adequacy Plan for Andhra Pradesh
7. Discussion points for Northern Region in Chintan Shivir 2025
8. Information on Subsidy & Cross Subsidy of different states such as Madhya Pradesh, Punjab, Odisha, and West Bengal
9. Review of Energy Chapter in the National State of Environment
10. Inputs to MoP on various points received from Minister of Electricity, Govt. of Kerala
11. Review of CSEP’s Report related to *“Demystifying the Climate Benefit of EV Transition in India”*

3. Research & Analytics

Power Foundation of India conducts thematic studies, policy briefs, and sectoral evaluations focussing on India's energy transition

INDIA INFRASTRUCTURE REPORT

1. PFI, in collaboration with IDFC Foundation and Infrastructure Development Corporation (Karnataka) Limited, has compiled the India Infrastructure Report 2024 (Sustainable Energy Transition: A Way Forward for India's Power Sector).
2. Released by Shri Pankaj Agarwal, Secretary, Ministry of Power, Gol.

REAL COST OF RENEWABLE ENERGY

1. Report for determining the actual Cost of Renewable Energy, encompassing Storage Cost, Recycling Cost of Battery and Solar Panel, Health damage Cost associated with Thermal Power Projects, and Disposal Cost.
2. Presentation done before the Hon'ble Central Electricity Regulatory Commission (CERC) and peer reviewed by IIT Kanpur.

STRATEGIC PATHWAYS FOR ENERGY STORAGE IN INDIA THROUGH 2032

1. Study undertaken in collaboration with Lawrence Berkeley National Laboratory.
2. Based on assessing the least-cost, operationally feasible pathway for India's electricity grid through 2032 and critical aspects of energy storage through 2032.

ACCELERATING LARGE-SCALE ADOPTION OF DEMAND SIDE MANAGEMENT IN INDIA

1. Study jointly conducted with Prayas Energy Group.
2. Based on assessing the benefits of Demand Side Management in Gujarat and Madhya Pradesh in 2030 using a production cost simulation model.

OPTIMIZATION OF PEAK DEMAND OF DISCOMs WITH IMPACT ASSESSMENT OF E-BUS CHARGING

1. Agreement with Delhi DISCOMs (BSES and TPDDL).
2. Study based on actual Metered Feeder Data for Electric Bus Depot Load, Power Purchase and Revenue.
3. Site visits to TPDDL and BSES offices along with DTC Electric Bus Depots, Wazirpur and Nehru Place.
4. Report finalised.



STUDY ON TAPPING THE POTENTIAL OF AGROPHOTOVOLTAICS IN INDIA

1. Prepared in collaboration with Climate Policy Initiative (CPI).
2. Study on assessing the potential of agrivoltaics and its effectiveness in producing dual results – electricity generation and agricultural produce
 - Site visits to the Agrophotovoltaic Plant in Najafgarh, New Delhi
 - Developed the Feed-in-Tariff Model
3. Draft report done.

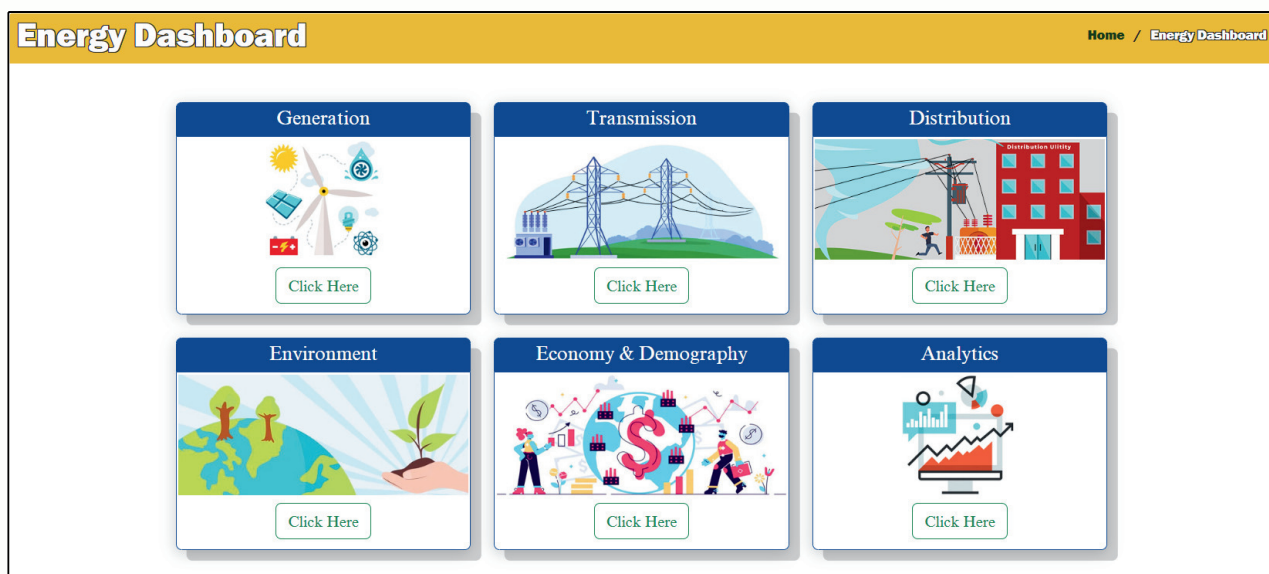


OTHER KEY REPORTS

1. Financing India's 2030 Renewables Ambition – along with Bloomberg NEF - 2022
2. Assessment of Nationally Determined Contributions of G20 Members - 2023
3. India's Energy Trilemma and Coal-based Power Generation - 2023

ENERGY DASHBOARD:

1. [PFI Energy Dashboard](#)
2. Data & Trends on Installed Capacity, Generation, Transmission, Distribution, Environment and Economy & Demography.
3. Analytics with Story Boards to illustrate Energy Transition- Coal & Lignite dependency, DISCOM Tariff Subsidy and State Outstanding Liabilities, DISCOM Operational and Financial Analysis, Insights on ACS-ARR Gap, Coal consumption trend, Comparative analysis of Electricity Prices and Per Capita Income, Emission at Glance for G20 Nations etc.



4. Communication and Outreach

Power Foundation of India undertakes power sector developments into accessible formats such as campaigns, media engagement, and outreach.

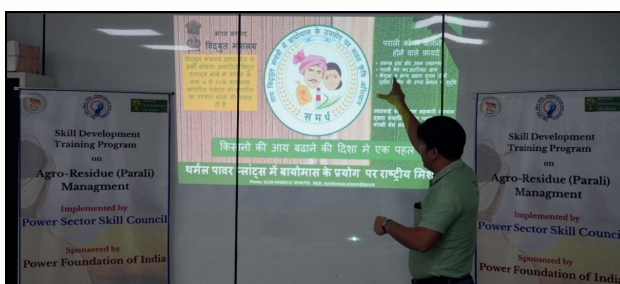


SAMARTH (SUSTAINABLE AGRARIAN MISSION ON USE OF AGRO RESIDUE IN THERMAL POWER PLANTS) 2024-25

- Campaign:** An awareness campaign highlighting the adverse impact of burning Parali (paddy residue) and encouraged pellet manufacturing through hoardings at 56 strategic locations and print advertisements across 30 editions of leading newspapers in Haryana, Punjab, and Uttar Pradesh.



- Skill Development Program (ONGOING):** Under the training program, which focuses on health and hygiene, safety protocols, and the operation and maintenance of pellet plant machinery, 190 workers/employees from nine different pellet plants in Haryana and Punjab have been trained so far. This initiative aims to train 1,500 workers/employees by 2026 across the states of Punjab, Haryana, Western Uttar Pradesh, Madhya Pradesh, Maharashtra, and Rajasthan.



CAMPAIGNS

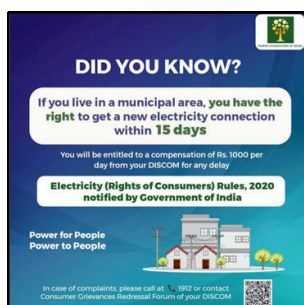
PM's MISSION LiFE (Lifestyle for the Environment)

1. LiFE (Lifestyle for the Environment) was propounded by the Hon'ble PM at Glasgow (COP26) in 2021, to promote a healthy and sustainable lifestyle.
2. The objective was to promote sustainable living and conscious consumption, encouraging a shift from wasteful habits to an environmentally harmonious lifestyle.
3. As part of the campaign, seven Conferences were organized across various locations in the country to help educate consumers about reducing wasteful consumption (September 2022 – January 2023): Ladakh, Bhopal, Guwahati, Vijayawada, New Delhi, Thiruvananthapuram and Bengaluru.



RIGHTS OF CONSUMERS

1. An awareness campaign was launched on the Rights of Consumers under the Electricity Rights of Consumer Rules, 2020. (October 2023 – December 2023) which included:
 - Digital media (Pan India campaign) - Vernacular languages including Hindi, English, Punjabi, Odia, Bengali and Assamese.
 - Total reach 2.4 crore unique users, with an engagement of 25 lakh users.
 - Outdoor hoardings – 383 Hoardings installed across five states – Punjab, Uttar Pradesh, Assam, Bihar and Jharkhand



Social media posts

Hoardings

ROOFTOP SOLAR

1. A digital awareness campaign on Rooftop Solar Systems was launched in October 2023, leveraging Facebook and Instagram to promote the installation of rooftop solar systems.
2. The campaign reached approximately 25 lakh unique users.

KEY CONFERENCES AND EVENTS:

1. As part of the G20 event, a conference organised on **“Decarbonising Development: Business-driven Solutions to Empower Rural India”** at the 14th Clean Energy Ministerial and 8th Mission Innovation Conference in Goa, July 2023.



2. Conference on **“Distributed Renewable Energy for Sustainable Development”** in collaboration with Climate Policy Initiative held in February 2024, at The Ashok, New Delhi. ([Summary](#)).



3. Two-day National Conference on **“Sustainable Cooling and Doubling the Rate of Energy Efficiency Improvement”**, held in February 2025, in collaboration with the Bureau of Energy Efficiency.





POWER FOUNDATION OF INDIA

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