

# Launch of the 'India Transmission Portal (ITP)'



An Initiative of **Prayas (Energy Group)**

with technical support from **Idam Infrastructure Advisory**  
under guidance of **Central Electricity Authority**

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Launch of  
**India Transmission Portal**  
by

**Shri. Ghanshyam Prasad,**  
Chairperson, Central Electricity Authority

## **Systematic and timely sharing of accurate data is key for optimal transmission planning and development of transmission infrastructure**

The transmission sector is witnessing rapid growth in capacity and in coverage across India and presents a unique set of opportunities and challenges to policy makers, planners, system users, developers, consumers and other stakeholders. Systematic and timely sharing of accurate data is key for optimal transmission planning and development of transmission infrastructure. A national level repository for transmission data and related documents can aid this process and reduce the information asymmetry as well as to promote relevant policy and regulatory research and analysis.

<https://indiatransmission.org/>

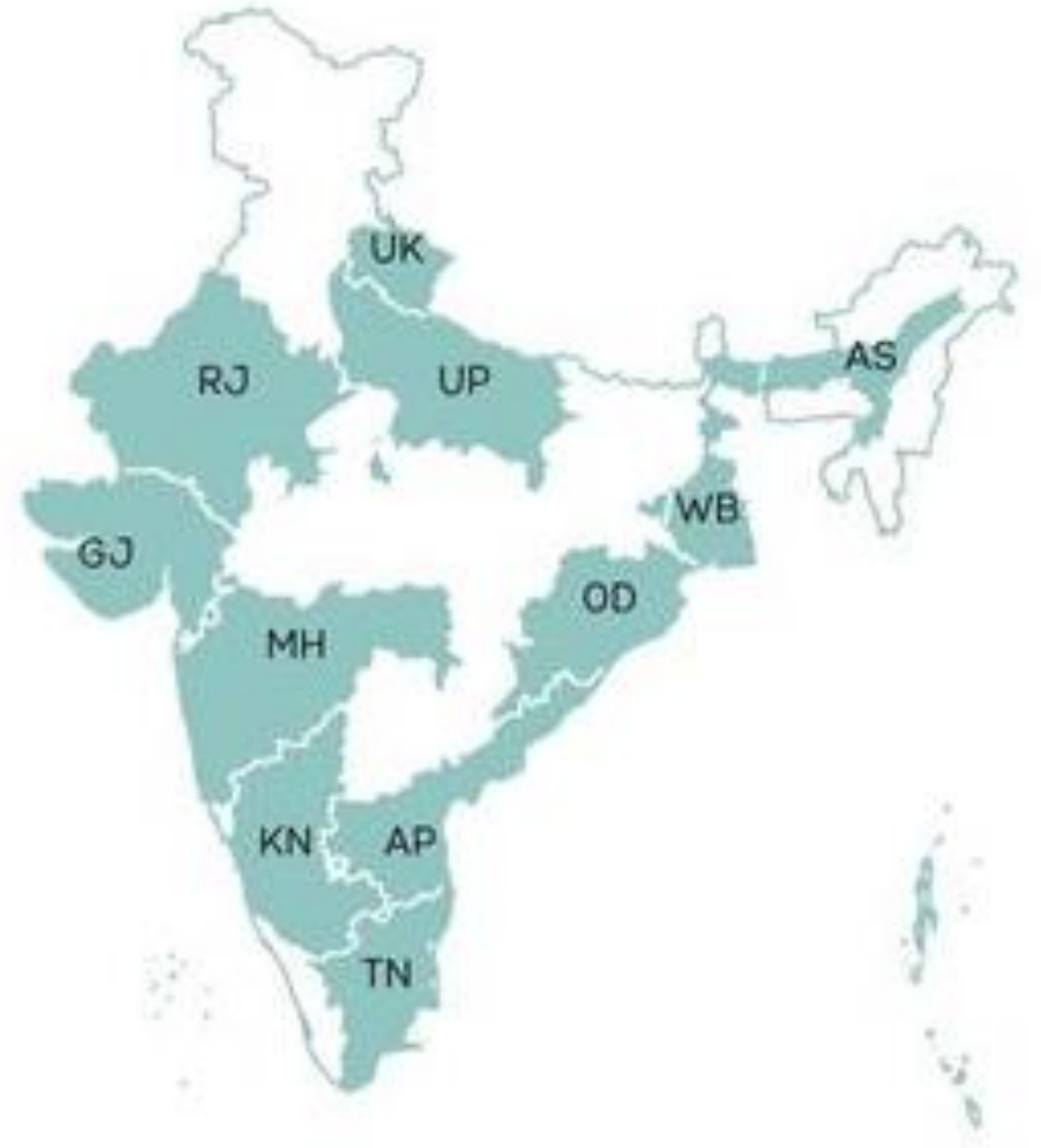
# About the India Transmission Portal

# India Transmission Portal




ITP is the first of its kind **national level knowledge repository** on power transmission.

**Easy access to relevant documents and data** for policy makers, regulators, researchers, investors and other stakeholders.

**Coverage: Central Sector and 11 states**



# 7 Modules, 49 sub-modules

Modules	 Documents	 Summaries	 Visualizations
Policy	27	23	
Commercial	12	8	
Regulatory	90	87	
Tariff	76		12
Performance	2	2	10
Planning			70
Resources	24		
	231	120	92

# First three modules (Policy, Commercial and Regulatory)

- **Policy**

- Such as EA 2003, Planning Rules, NTP, NEP, TBCB guidelines etc.

- **Commercial**

- Such as SBDs, project announcements, BPCs etc.

- **Regulatory**

- CEA, CERC and State regulations (tariff, grid code, OA, GNA etc.)

- Option to **download the original documents (~ 130).**

- **Summary** of the documents (~120)

# Next three modules (Tariff, Performance and Planning)

- **Data visualizations based on data aggregated from various orders and documents** placed in the public domain by CEA, CERC / SERCs and CTU/STUs, POSOCO and CTU.
- **Interactive visualizations in tableau**
  - Can select different time periods / voltages / states / ownership, etc. depending on the graph and data behind it
  - Downloadable graphs



# Visualizations (14 sub-modules, 92 graphs)

## Tariff

- **Tx charges** at central and state level- LTOA, MTOA, and STOA (CERC, SERCs)
- **ARR of TRANSCOs** in 11 states for 4 years (SERCs)

## Planning

- **Progress in addition of line length (ckm) and transmission capacity (MVA)** across years and Plans (CEA)
  - Entity wise breakup also covered
- **Inter-State and state level Tx planning for current, future years (POSOCO, STU)**
- **Transmission Plan for RE capacity addition**
  - Green Energy Corridor status (MNRE); CEA Transmission plan for 500 GW RE by 2030

## Performance

- **Transfer capability at inter-regional (ATC, TTC, TRM) (POSOCO)**
- **Tx losses and Availability data** for state TRANSCOs (SERCs)

# Resources module

- **24 documents as of now**
  - Reports published by government ministries/ organizations and other entities on the transmission sector
  - Important orders issued by Supreme Court and APTEL
- **Glossary** (~30 terms related to Power Transmission)
- Links of important organizations like CEA, POSOCO, CTU, etc.

# THANK YOU PRAYAS (ENERGY GROUP)

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