



ODISHA

contender

Odisha has programmes for driving energy efficiency (EE) in all sectors, i.e. buildings, industry, municipalities, transport and DISCOMs. While there are fair number of measures towards driving EE in the building, industry and transport sectors, the state could improve programmes for municipalities and DISCOMs. Additionally, the state could start tracking the effectiveness and impact of EE programmes using quantitative indicators such as energy intensity and penetration of EE technologies in each demand sector.

BUILDINGS



Odisha notified ECBC in July 2011 and incorporated it in municipal building bye-laws in May 2017. The state has implemented EESL's UJALA programmes for LED bulbs and EE fans. Odisha has conducted energy audits of several buildings under BEE's IGEA scheme, and provides subsidies for energy audits. The state has 31 registered green buildings. In terms of next steps, Odisha could consider mandating energy audits for commercial buildings, and also try to capture energy intensity (kWh/m²) and other crucial building energy data such as energy savings.

INDUSTRY



Odisha works with BEE to enforce the PAT programme for Designated Consumers (DC). 79% DCs in the state met the Specific Energy Consumption (SEC) target for PAT Cycle I. Odisha's SDA is one of the few that utilises Revolving Investment Fund (RIF) for financing EE projects, and the EE project for OMFED dairy was financed using RIF. The state could consider mandating energy audits for non-PAT industrial units. Energy usage and savings are tracked for PAT DCs; however, energy savings from other EE projects across industry are yet to be captured in a comprehensive manner. Additionally, the state could consider implementing specific EE projects and tracking energy intensity in select MSME clusters..

MUNICIPALITIES



Odisha has implemented LED street lighting through EESL's SLNP scheme. It has signed up for EESL's MEEP programme for efficient water pumping and the state has implemented EE measures in 3 drinking water pumping stations. The state could improve in terms of tracking the impact of EE programs in the municipal sector.

TRANSPORT



In the first State EE Index the focus was on fuel efficiency of SRTCs and penetration of EVs. Odisha has conducted awareness programmes on fuel saving for the SRTC personnel. Compared to other states, Odisha's SRTC is in the top tier when it comes to energy intensity and in the middle tier for fuel efficiency. The state is in the lower tier when it comes to penetration of passenger EVs via the FAME scheme.

AGRICULTURE & DISCOM

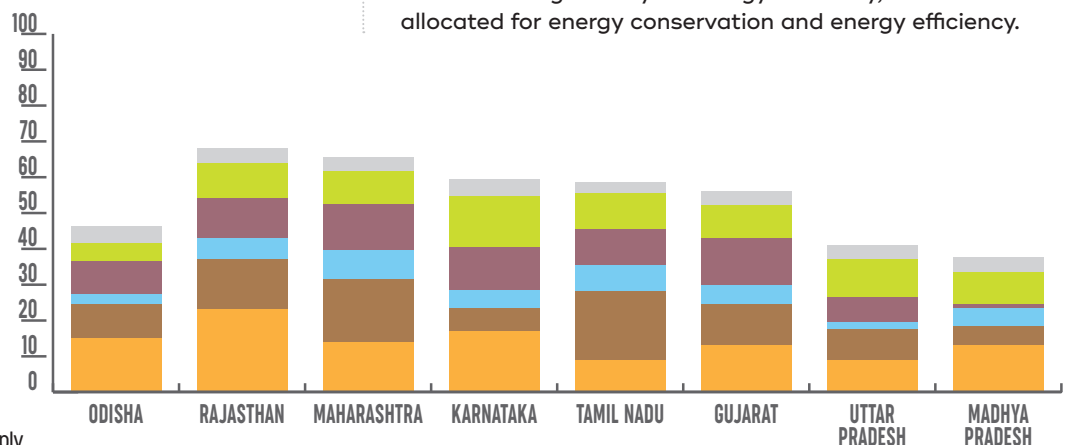


Odisha has among the highest T&D losses of all states, at >35%. The state has notified Demand Side Management (DSM) regulation and has a dedicated DSM cell. The state has an AgDSM programme to replace inefficient pumps with BEE star rated pumps through Odisha Lift Irrigation Corporation (OLIC). Odisha should focus on reducing T&D losses.

The Odisha Electrical Inspectorate is the State Designated Agency (SDA). Though not a dedicated standalone SDA focussing entirely on energy efficiency, it has funds allocated for energy conservation and energy efficiency.

ODISHA
Scores in TPES Group 1
[61% of national TPES]

- Buildings
- Industry
- Municipalities
- Transport
- Agriculture & DISCOM
- Cross Sector



TPES - Total Primary Energy Supply